

912497

**PHASE I
ENVIRONMENTAL SITE
ASSESSMENT REPORT**

Project Site:

**Section 5
J-Pit Redevelopment Sites
Gary, Indiana**

Prepared for:

**City of Gary Department of Environmental Affairs
504 Broadway, Suite 1012
Gary, IN 46402**

Project #1216.001.05

Prepared by:

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July 2, 2001



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Ms. Mary Mulligan
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**SUBJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT
SECTION 5
J-PIT REDEVELOPMENT SITES
GARY, INDIANA
EDI Project No. 1216.001**

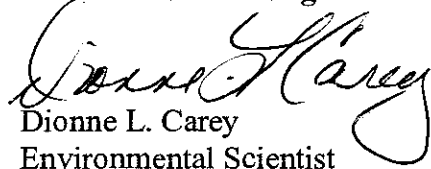
Dear Ms. Mulligan:

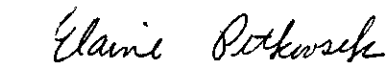
Enclosed please find two bound copies and one unbound copy of the Phase I Environmental Site Assessment Report for the subject property. After you review the report, please feel free to call Ms. Dionne L. Carey at (312) 356-5400 if any aspects of the report need clarification.

We appreciated the opportunity to work with you on this project.

Respectfully,

Environmental Design International inc.


Dionne L. Carey
Environmental Scientist


Elaine Petkovsek, P.E.
Senior Project Engineer

Enclosures

cc: 1216.001 project file

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EXECUTIVE SUMMARY

Environmental Design International inc. (EDI) performed a Phase I Environmental Site Assessment for the property bounded by on the west by Morse Street, on the north by 17th Avenue, on the east by Colfax Street, and on the south by 21st Avenue. The property reconnaissance was conducted on February 16, 2001. A second visit was conducted on February 23, 2001. The property is mostly covered with water and vegetation. The inspection and review of available records revealed the following:

RECORDS REVIEW

- **Site History:** The subject property is covered with water and vegetation. The site is a former sand mine and for a short time, a waste-dump. It was at one time allowed to fill with water. Currently, approximately 10-acres of the east end is used to house a leachate collection system for the closed Gary Sanitary Landfill. A pumping system is located on the west central side and is used to pump water to the Little Calumet River.
- The subject property was identified on the ERNS database. The effects of this release may continue to impact the soil on the subject property.
- A review of the National Priorities List (NPL) indicated two sites within the area vicinity, which are located within one-mile radius of the subject property. Based on the type and extent of released from these sites, the local geology and the distance of these sites from the subject property, there is the potential that these sites have had an adverse affect on the groundwater and subsurface soils of the subject property.
- A review of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) – Active indicated two sites within 1 ¼-mile radius of the subject property. Based on the distance of these sites from the subject property, it not likely that these sites have had or could have an adverse environmental impact on the subject property.
- A review of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) – No Further Remedial Action Planned (NFRAP) Archive indicated two sites within ¾-mile radius and four additional sites within 1 ½-mile radius of the subject property. It is possible that leachate from the closed Gary Sanitary Landfill, located adjacent east of the subject property, has impacted the subject property.
- A review of the RCRA - Generators list indicated one site on the south adjacent property. There is a potential that this site would have an adverse environmental impact on the subject property, in the event of a release.
- A review of the Toxic Release Inventory Data (TRI) indicated one site within a ¾-mile radius of the subject property. Based on the distance of this site from the subject property, it is not likely that this site has had or would have an adverse environmental impact on the subject property.

- A review of the Civil Enforcement Docket (DOCKET) indicated four sites within the subject property's vicinity and four additional sites within 1 ¼-mile radius of the subject property. Based on the distance of these sites from the subject property is not likely these sites have had an adverse environmental impact of the subject property.
- A review of the Indiana State Cleanup List (SCL) indicated three sites within the area vicinity, one site within a 1/8-mile radius and three sites within 1 ¼-mile radius of the subject property. Based on the local geology, it is possible that Roehl Transport could have had an adverse environmental impact on the subject property.
- A review of the Indiana Solid Waste Facilities Data (SWF) list indicated one site within ¾-mile from the subject property. Based on the local geology, there is the potential for this site to impact the subject property in the event of a release.
- A review of the Indiana Leaking Underground Storage Tank Data (LUST) list indicated five sites within ¾-mile of the subject property. One of the sites is on the adjacent north property. Based on the media effected and the local geology, there is the potential that these sites may have had an adverse environmental impact on the subject property.

VISUAL OBSERVATIONS

- **Materials Handling, Storage and Waste Disposal Practices:** An excavated ditch inside the Pit, extending at least 1300 feet along the north side, contained an oily, rust-colored unknown substance. Debris was observed along the borders of the subject property. Items noted included tires, reinforced concrete piping, concrete foundations, scrap metal and plastic products. Although the area was covered with vegetation, it was apparent during the site walk that some debris was located underneath the vegetation. The closed Gary Sanitary Landfill leachate collection system is located on the east end. Three monitoring wells were observed in the water at the east end, one monitoring was observed at the southeast corner, one monitoring well was observed at the northwest corner of the subject property.
- **Underground and Above Ground Storage Tanks:** No evidence of underground storage tanks (USTs) or above ground storage tanks (ASTs) was observed on the subject property.
- **Polychlorinated Biphenyls:** No suspect polychlorinated biphenyl (PCB)-containing equipment was observed on the subject property.
- **Sumps and Storm Sewers:** A pumping system was observed on the west end of the subject property. No other sumps or storm sewers were identified on the subject property.

- **Wetlands:** NEPA maps indicate the presence of wetlands on the subject property, northeast and south adjacent properties. The standing water in the bottom of the J-Pit supports vegetation indicative of a wetlands. The Corps of Engineers made a determination in 1994 that the areas contained within the J-Pit are not within federal jurisdiction, and therefore, do not qualify as wetlands under their authority.

CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment has revealed the following recognized environmental conditions in connection with the subject property:

- The surface and buried refuse noted on the borders of the subject property should be removed and properly disposed.
- A groundwater study should be conducted to assess whether leachate from the closed Gary Sanitary Landfill, or operations on nearby properties have affected the subsurface water of the subject property.
- Information concerning the two NPL sites in the vicinity of the subject property should be reviewed. If groundwater contamination from these sites is recorded as impacting the subject property, groundwater and subsurface soil sampling should be conducted to assess the impact of these sites on the subject property.
- The Corps of Engineers should be contacted and asked to confirm the 1994 determination that the areas contained in the J-Pit are not within federal jurisdiction. Whether or not they provide this confirmation will determine whether or not a wetlands delineation is required.
- The oily substance observed along the north side should be tested and analyzed. If it defined as a substance of environmental concern, further sampling should be conducted to assess the impact it may have had on the subject property.
- Railroad tracks extend along the western border of the subject property. Historically, hazardous spills have been associated with railroad tracks. Soil sampling and a groundwater study is recommended to determine whether the subject property has been impacted by the operations of the railroad system.

The Executive Summary provides a brief overview of the findings of this environmental site assessment. It should be noted that although the Executive Summary is an integral part of a report, it does not substitute for reading the entire report. The complete report must be read in order to fully understand the findings and potential environmental concerns associated with the subject property.

1.0 INTRODUCTION

At the request of Ms. Mary Mulligan with City of Gary Department of Environmental Affairs, EDI performed a Phase I Environmental Site Assessment for the property bounded by on the west by Morse Avenue, on the north by 17th Avenue, on the east by Colfax Street, on the south by 21st Avenue. The property reconnaissance was conducted on February 16, 2001 and February 23, 2001.

1.1 PURPOSE

The purpose of this assessment was to identify potential environmental hazards based on a visual inspection of the property and a review of available public records relative to items specified in the contract. This assessment is not intended to include the identification of conditions that do not present a direct threat to the public health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies.

1.2 SCOPE OF WORK

The Phase I Environmental Site Assessment consisted of (1) a database search/document review, (2) a site investigation and property reconnaissance, and (3) personal interviews.

1.3 LIMITATIONS

The Phase I Assessment was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the environmental profession under similar conditions. No other warranty or guarantee, express or implied, is included or intended in this Report or otherwise.

The conclusions and recommendations stated in this Report are based upon observations made by individuals working on behalf of EDI, and also upon information provided by others. We have accepted as true and accurate the information provided by other sources; therefore we cannot be held responsible for the accuracy of this information.

The Scope of this Assessment does not purport to encompass every report, record, or other form of documentation relevant to the Property being evaluated. The observations contained herein are made during the site reconnaissance, review of ownership records, discussions with local officials, and review of readily accessible environmental databases. We can only base our observations upon site conditions readily visible and present at the time of our site inspection. This Phase I Assessment is based on our professional judgment concerning the significance of the data collected and in no way attempts to forecast the future site conditions.

2.0 BACKGROUND

2.1 PROPERTY LOCATION AND LEGAL DESCRIPTION

The subject property is located southwest of 15th & Colfax Street in Gary, Indiana. The property is bounded on the west by Morse Avenue, on the north by 17th Avenue, on the east by Colfax Street, and on the south by 21th Avenue. The property reconnaissance was conducted on February 16, 2001 and February 23, 2001. The surrounding land use is commercial and residential.

Maps showing the extent of the subject property are provided in Appendix A. The legal descriptions of the parcels of which the subject property is comprised are provided in Volume III, Appendix H, Section 5 of this report.

2.2 PROPERTY HISTORY

The subject property is covered with water and vegetation. Historically the site was a sand mine and waste-dump. Currently, approximately 10-acres of the east end is used to house a leachate collection system for the closed Gary Sanitary Landfill. A water pump system is located on the west central side and is used to pump water to the Little Calumet River.

2.2.1 Personal Interviews

Interviews were conducted to determine if there are any known past or present environmental concerns associated with the site. Prior to current ownership, Red Top Trucking operated a sand-mine then Waste Management Services used the property for a short time as a dump-site. Colfax Street which extends along the eastern border was formerly shut down and used as a dump site.

2.2.2 Indiana Department of Environmental Management

A Freedom of Information Act (FOIA) request was submitted to the Indiana Department of Environmental Management for the subject property. No response had been received as of the completion of this report.

2.2.3 Sanborn Maps

Sanborn Fire Insurance Maps were requested from Vista Information Solutions, Inc., San Diego, California. Sanborn maps are detailed drawings that show the locations and use of structures on a given property during a specific year. The maps were originally used by insurance companies to assess fire risk. According to Vista, there is no historic map coverage available for the subject property. A copy of the Sanborn map report is provided in Appendix B.

2.2.4 Aerial Photograph

An aerial photograph was obtained from The Sidwell Company for the year 1978. The scale is 1 inch = 100 feet. Additional years were not available. A partial copy of the aerial photograph is provided in Appendix C.

The 1978 photograph depicts the northern portion of the subject property with water and brush. The southern border of the property is depicted with scattered debris and cars. The eastern border is depicted with scattered debris and trees. The remaining area of the subject property is depicted bare with water trenches.

Recognized environmental concerns identified from the aerial photograph include the scattered debris, abandoned cars and the railroad track bordering the western end of the subject property.

2.2.5 City Directories

The addresses associated with the subject property were researched using twelve City Directories dated 1960 to 1999. Polk's City Directories were used for the years 1960 to 1975 and Haines Criss-Cross Directories were used for the years 1977 through 1999. Copies of pages from these directories that cover the addresses associated with the subject property are provided in Appendix G, Volume II.

No information of environmental concern was revealed during the review of the City Directories for the subject property.

2.2.6 National Environmental Policy Act (NEPA) Profile

A NEPA Profile of the subject property was prepared by Vistainfo located in San Diego, California. The NEPA Profile reviews the subject property location and information on the natural and cultural features that may exist within a one-mile radius of the subject site. The profile ensures compliance with NEPA by reviewing seven different topics, including wetlands, wilderness areas, wildlife preserves, endangered species habitat, floodplains, national historic sites and landmark sites, and Native American Indian sites, and indicates whether the subject property is directly impacted by one of these categories. A copy of the NEPA Profile is provided in Appendix D.

The NEPA Profile identified the subject property as a wetland. On the day of the site inspection, water covered a significant portion of the bottom of the Pit. Plants which are associated with wetland environments were observed in and around the water. Wetlands are also shown on portions of the northeast, south and southwest adjacent properties. The Corps of Engineers made a determination in 1994 that the areas contained within the J-Pit are not within federal jurisdiction, and therefore do not qualify as wetlands under their authority.

Three unmappable sites on the National Register of Historic Places were identified in the same county as the subject property, however none of the sites are located within Gary. No Native American Indian sites, wildlife refuges, state parks or forests, wilderness areas, national

parkways or scenic rivers, national forest service lands, or national park service lands were identified within a one-mile radius of the subject property. No floodplain areas or historic places were identified within a ½-mile radius of the subject site.

2.3 TOPOGRAPHY

The topographic map coverage of the subject property's vicinity was provided by the United States Geological Survey's (USGS's) Highland, Indiana, 7.5-minute quadrangle map dated 1991. A site location map, which is a partial copy of the USGS map, is provided as Figure I. The topographic map does not show the elevation of the J-Pit, which is significantly below grade. The Pit is significantly lower than the surrounding area and the reported groundwater elevation. Based on this information, it is suspected that the J-Pit acts as a collecting point for groundwater.

2.4 REGIONAL SUBSURFACE GEOLOGY/HYDROGEOLOGY

EDI reviewed the State of Indiana Department of Natural Resources publication entitled Environmental Geology of Lake and Porter Counties, Indiana, dated 1975. EDI's review of this document found that surface spillage of chemical, petroleum, or other potentially hazardous compounds on native soil in the area of the Property would have a high potential for impacting groundwater.

Figure 2 shows groundwater elevations in the area of the subject property during March 1993 and October 1994. This figure indicates that the subject property is to the north of the groundwater divide which separates the Grand Calumet and Little Calumet Rivers. This would indicate groundwater flow direction to the north-northeast. This figure, however, does not indicate the potential impact of the J-Pit. Since the water level in the J-Pit is maintained at a low level by pumping, this may influence the groundwater direction in its vicinity. Based on this information, surface spillage of chemical, petroleum, or other potentially hazardous compounds on native soil in the area of the property would have a high potential for impacting the site. Localized groundwater flow can only be determined by installing monitoring wells.

The regional subsurface geology of Lake County is referenced from Environmental Geology of Lake and Porter Counties, Indiana published by the State of Indiana Department of Natural Resources Geological Survey dated 1975. Lake County is divided into three distinctive physiographic units. These units from north to south are the Calumet Lacustrine Plain, Valparaiso Morainal Area, and Kankakee Outwash and Lacustrine Plain.

The Calumet Lacustrine Plain encompasses the subject property. Sediments of the Calumet Lacustrine Plain consist of fine silts and clays as lake bottom deposits, eolian sand dunes and beach sand, sand and fine gravel deposited from glacial outwash, and clay-rich till inclusions of varying thickness and areal distribution.

The underlying unconsolidated deposits were deposited directly and indirectly by glacial forces during the great Ice Age in the Pleistocene Epoch. These deposits were laid down during the last major ice advance, during the Wisconsinan Age, by the combined agents of ice, wind, and water. The majority of the fine clays and silts were deposited in the late Wisconsinan age as lake bottom

and near shore deposits of the glacial Lake Chicago. Lake Chicago was formed by the retreating glacier's sediment laden melt water as the Valparaiso Morainal Area to the south trapped it. As the silt and clay settled out of suspension, large masses were accumulated across the lake basin. Outwash sand and gravel washed in to the lake from the morainal plain and settled rapidly to form bars and ridges of coarse materials, which were reworked by wave and current action forming beaches. When the Valparaiso Morainal Plain was breached the water level of Lake Chicago lowered during a successive process. During this regression, three semi-stabilized water levels occurred forming sand beaches and dunes. Today, these dunes are expressed at the surface parallel to the existing shoreline of Lake Michigan. These relic beaches have been named Toleston, Calumet, and Glenwood (youngest to oldest). The subject area lies within the Calumet beach area.

The underlying uppermost bedrock formations of this area consist of Devonian and Silurian limestone, shale, and dolomite. The succession of the sedimentary rocks was deposited on the granitic basement rock in shoreline and near-shore environments relative to regressive and transgressive sea levels. The shales were deposited in a shallow marine environment derived from the Canadian Shield. The limestones were deposited in moderately shallow marine waters, and the dolomites and dolomitic limestones resulted from post-deposition alteration of the limestone.

3.0 DATABASE SEARCH

A Government Records Search, Priority Risk Report was requested for the subject property from EcoSearch Environmental Resources, Inc. (EcoSearch). The EcoSearch Government Records Search, Priority Risk Report maps sites with potential or existing environmental liabilities. The search met the specific requirements of American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation: E-1527-00, including those associated with governmental databases, search distances and data currency. A copy of the EcoSearch Government Records Search, Priority Risk Report is provided in Appendix E.

No mapped sites were found in the EcoSearch Government Records Search, Priority Risk Report of available government records within the ASTM E-1527-00 search radius around the subject property for the following databases:

- Resource Conservation and Recovery Act (RCRA) list of Treatment, Storage, and Disposal (TSD) Facilities or Corrective Action Sites (CORRACTS)
- PCB Activity Database System (PADS)
- Section Seven Tracking System (SSTS)
- Toxic Substances Control Act Inventory (TSCA)
- Indiana Registered Underground Storage Tank List (UST)

The subject property was identified on the Emergency Response Notification (ERNS) database.

Due to the large areas and irregular shapes of some of the listed sites, the actual locations may not correspond to the post office address, and the actual distances to the site may not correspond to the database distance.

3.1 NATIONAL PRIORITIES LIST (NPL)

The NPL is a subset of the Comprehensive Environmental Response, Compensation, and Liability Index System (CERCLIS) and lists over 1,150 of the nation's most dangerous sites with uncontrolled or hazardous wastes that require cleanup. Also known as the Superfund List, the sites are scored according to the hazardous ranking system.

A review of this list indicated two sites within the area vicinity, which are located within a one-mile radius of the subject site. These sites are:

- 9th Avenue Dump, 20-acre parcel located at 7357 W. 9th Avenue. The closest portion of this site is located approximately 0.72-mile northwest of the subject property. Chemical and industrial waste disposal occurred on this site from the early to mid-1970's. An estimated 10,000 barrels and 500,000 gallons of liquid waste were dumped on-site and 1,000 barrels were buried. The final cleanup activities for the site are being performed by a group of potentially responsible parties. The most heavily contaminated materials have been removed and remaining hazardous materials have been isolated with a slurry wall and cap; therefore,

the potential for exposure to hazardous materials is reduced. However, the groundwater is contaminated with volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and heavy metals. Off-site soils were found to contain PAHs, VOCs, and heavy metals. Final cleanup actions are continuing. This site is also indicated on the DOCKET, CERCLA-NFRAP Archive, and SCL databases.

- Midco I (Midwest Solvent Recovery Company), 4-acre parcel located at 7400 W. 15th Avenue. The closest portion of this site is located approximately 0.66-mile west-northwest of the subject property. This site is an abandoned industrial waste disposal, recycling, and storage facility that operated during the 1970's. Groundwater is contaminated with VOCs, including trichloroethylene (TCE), vinyl chloride, benzene, and methylene chloride, semi-VOCs (SVOCs), metals, and cyanide. Surface waters northeast of the site are contaminated with VOCs, chromium, lead, cadmium, and cyanide and sediments and soils are contaminated with VOCs, SVOCs, PCBs, metals, cyanide, and chlordane. It has been confirmed that the contamination in the soil is leaching into the groundwater, which is migrating off-site. The contamination from this site may have an adverse environmental impact on the surrounding wetlands. Surface water discharge of the contaminated groundwater, after removal of hazardous substances, is not an option due to the high levels of sodium chloride. In 1982, the EPA removed surface wastes, a UST, drums, and the top one foot of contaminated soil to remove any immediate threat to the public. Cleanup actions selected by the EPA include on-site remediation and disposal of 7,800 cubic yards of contaminated subsurface soil, excavation and remediation of 1,200 cubic yards of contaminated sediment from the surrounding wetlands, groundwater monitoring and installation of a treatment system to remediate the contaminated groundwater, and installation of a final site cover. Final cleanup actions are currently underway. This site is also indicated on the SCL and DOCKET databases.

Based on the type and extent of releases from these sites, the local geology, and the distance of these sites from the subject property, there is the potential that these sites have had an adverse environmental impact on the groundwater and/or subsurface soils of the subject property.

3.2 COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) – ACTIVE

The CERCLA, enacted in 1980, provided for federal and state programs to initiate the cleanup of uncontrolled hazardous waste sites, and to protect human health and the environment. Sites on the Comprehensive Environmental Response, Compensation, and Liability Index System (CERCLIS) list have been proposed for investigation because they are suspected by the United States Environmental Protection Agency (USEPA) of being toxic to the environment and human health and may require cleanup. These could become "Superfund" sites and vary in their amount of toxicity and impact to the surrounding area.

A review of this list indicated two sites within a 1.25-miles radius of the subject property. The closest site is Black Oaks Dump located at 21st and Mount Street, 1.05-mile east of the subject property. This site is currently under investigation by the federal government to assess the extent of further action. The site is also listed on the SCL database.

Based on the distance of this site and the remaining site from the subject property, it is not likely these sites have had or would have an adverse environmental impact on the subject property.

3.3 CERCLA - NO FURTHER REMEDIAL ACTION PLANNED (NFRAP) ARCHIVE

The CERCLA – NFRAP Archive list includes sites that have been reclassified as NFRAP by the USEPA. These former CERCLIS sites have been delisted because a lack of significant contamination was found.

A review of this list indicated one site within the area vicinity, two sites within a ¾-mile and four additional sites within a 1.25-miles radius of the subject property. The closest site is Gary Sanitary Landfill, the east adjacent property located at 15th & Colfax Street.

The Gary Sanitary landfill is closed. According to Ms. Dorreen Carey, City of Gary, a slurry wall has been installed to contain leachate from the landfill, and a leachate collection system has been installed. A leachate collection system is also in place on the subject property for this site. Prior to the installation of these systems, however, leachate from the landfill may have impacted the subject property.

3.4 RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) – GENERATORS

RCRA, which was enacted in 1980, regulates facilities that generate, treat, store, or dispose of hazardous waste. The Resource Conservation and Recovery Information System (RCRIS) list contains information on hazardous waste handlers regulated by the USEPA under RCRA. The RCRIS list of Generators contains information on hazardous waste generators that create more than 100 kg of hazardous waste per month.

A review of this list indicated one site within a ½-mile radius from the subject property. The site is Indiana Department of Environmental Management located at 21st & Hobart, south adjacent. This site is a Transporter and Small Quantity Generator.

No RCRA violations were identified for this site.

Based on the distance of this site from the subject property, there is the potential that this site may have had a adverse environmental impact on the subject property, in the event of a release.

3.5 EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)

The ERNS contains information on specific notification of releases of oil and hazardous substances into the environment.

A review of this list indicated the subject property. On April 18, 1994, a caller reported that Waste Management had pumped unidentified materials from “the pit” into ditches which lead to the Little Calumet River. Reportedly, the responsible party does not have a permit for such disposal.

Since this incident was on the subject property, it may have had an adverse impact on the subject property's soil.

3.6 TOXIC RELEASE INVENTORY (TRI)

The TRI contains information on facilities that manufacture, process, or import any of the over 300 listed toxic chemicals that are released directly into the air, water or land or are transported off site.

A review of this list revealed one site within a ¼-mile radius of the subject property. The site is Bivona Inc. located at 5700 W. 23rd Avenue, 0.69-mile southeast of the subject property. There was one release of trichloroethane to the land in 1987 and several releases of trichloroethane to the air during the period from 1988 through 1992.

Based on the distance of this site from the subject property, it is not likely that this site has had or would have an adverse environmental impact on the subject property.

3.7 CIVIL ENFORCEMENT DOCKET (DOCKET)

The DOCKET provides information on actions filed by the Department of Justice for the USEPA. This record has been continually updated since 1972 and includes data regarding facility name, dates, laws violated, and penalties assessed.

A review of this list revealed four incidents at one site and two additional sites located within a one-mile radius of the subject property. These sites are:

- 9th Avenue Dump, a 20-acre parcel located at 7357 W. 9th Avenue. The closest portion of this site is located approximately 0.72-mile northwest of the subject property. Two incidents were reported, one incident for a violation of CERCLA Section 106 and one incident for the violation of CERCLA Section 107 and RCRA Section 7003.
- Midco I (Midwest Solvent Recovery Company), a 4-acre parcel located at 7400 W. 15th Avenue. The closest portion of this site is located approximately 0.66-mile west-northwest of the subject property. Two incidents were reported, one incident for the violation of CERCLA Sections 106 and 107 and the other incident for a violation of CERCLA Section 122E3B.
- H & H Recycling/H & H Enterprises/Gordon Head & William Spangler located at 7540 W. 9th Avenue/Cline Street and 9th Avenue, 1.08-mile northwest of the subject property. Two violations of CERCLA Section 106 and two violations of TSCA Section 6E were reported. This site is also identified on the CERCLA-Active and SCL databases.

Based on the local geology and the types of releases from the 9th Avenue dump and Midco I, it is possible that these sites have had an environmental impact on the subject property.

3.8 INDIANA STATE CLEANUP LIST (SCL)

SCL includes sites with suspected contamination that are scheduled for cleanup by the State of Indiana.

A review of this list revealed three sites within the area vicinity, one site within 1/8-mile radius and three additional sites within a 1.25-mile radius of the subject site. The closest sites are:

- Roehl Transport, W. 15th Street, 0.37-mile north-northwest of the subject property. This site is a voluntary cleanup site.
- 9th Avenue Dump, a 20-acre parcel located at 7357 W. 9th Avenue. The closest portion of this site is located approximately 0.72-mile northwest of the subject property. This site is identified as a Superfund site. This site is also included in the NPL, DOCKET, and CERCLA-NFRAP Archive databases.
- Midco I (Midwest Solvent Recovery Company), a 4-acre parcel located at 7400 W. 15th Avenue. The closest portion of this site is located approximately 0.6-mile west-northwest of the subject property. Two incidents were identified on this site, both were for Superfund sites. This site is also identified on the NPL and DOCKET databases.

Based on the local geology and the pumping of the subject property, there is the potential that these sites have had or could have an adverse environmental impact on the subject property. A FOIA request has been submitted to IDEM for additional information on these sites.

3.9 INDIANA PERMITTED SOLID WASTE FACILITIES (SWF)

The SWF database lists sites that are regulated for solid waste disposal by the State of Indiana.

A review of this list revealed one site within a 3/4-mile radius of the subject site. This site is Waste Management of Northwest Indiana Recycling Facility, north adjacent property. This facility is described as a private transfer station and their permit expires on May 1, 2002. This site is also identified on the LUST database.

Based on the distance of this site from the subject property, There is potential that this site has had a negative impact on the subject property.

3.10 INDIANA LEAKING UNDERGROUND STORAGE TANK (LUST) LIST

The LUST list provides the location of known or suspected releases from USTs.

A review of this list indicated five incidents at three sites within a 3/4-mile radius of the subject property. These sites are:

- Gary Subdistrict located at 7036 W. 15th Avenue, 0.46-mile northwest of the subject property. Two incidents were reported. Releases to the soil and groundwater was reported in 1996 and 1998. These incidents were given a medium priority by IDEM. The site status for the 1996 incident is listed as Discontinued. The 1998 incident is still active.

- The Waste Management site is north adjacent. Releases to the soil and groundwater were reported in 1993 and 1998. These incidents were given a medium priority by IDEM and are still Active.
- Compass Transportation Inc., 7336 W. 15th Avenue, 0.59-mile west-northwest of the subject property. One incident was reported in 1998. The incident was given a low priority and a no further action status was given to the site.

The Waste Management and Gary Subdistrict sites have a potential to impact the subject property.

The remaining site incident is closed, therefore, it is unlikely that this site has had an impact on the subject property.

3.11 UNMAPPABLE SITES

There was one site with an incomplete address that could not be mapped. The site is Marquette Pklg Nrd, address not reported, in Gary, Indiana. The site is an SCL site.

Depending on the location of this site, this site may have the potential to have an adverse environmental impact on the subject property.

4.0 PROPERTY RECONNAISSANCE

Ms. Dionne L. Carey, Environmental Scientist, and Ms. Elaine Petkovsek, P.E., Senior Environmental Engineer, from EDI, conducted the property reconnaissance on February 16, 2001 at 10:00 a.m. Ms. Carey and Ms. Petkovsek were not accompanied during the property reconnaissance. An additional site visit was conducted on February 23, 2001 by Dionne L. Carey, Environmental Scientist, and Jose' Moreno, Project Geologist at 9:30 a.m. The weather at the time of the site walk was cloudy and the temperature was approximately 10° Fahrenheit. Photographs taken during the site reconnaissance are attached in Appendix F.

4.1 VISUAL DESCRIPTION

The subject property is located southwest of 15th Avenue & Colfax Street. The property is bordered on the west by Morse Avenue, on the north by 17th Avenue (Section 1 West), on the east by Colfax Street, and on the south by 21th Avenue. The parcel is rectangular in shape.

4.2 SURFACE CHARACTERISTICS

The surface area of the subject property is covered with water and vegetation. Scattered debris was observed on top and under the vegetation bordering the subject property.

On February 16, 2001, an oily, rust-colored substance was observed in an excavated ditch extending along the north side inside the Pit. Railroad tracks extending along the western border was noted during the on-site assessment. No other evidence of oil spills, hazardous materials, railroad tracks, noticeable odors, abandoned wells, sink holes, spilled chemicals, ponds, lagoons, or wastewater discharge was observed on the surfaces of the subject property.

On February 23, 2001, the leachate collection system for the closed Gary Sanitary Landfill was observed at the east end of the subject property. The System measured seven feet in diameter with three inlets coming from the south, north and northeast. The inlet piping is located under the vegetation in a ditch that extends along the eastern end of the subject property. The west wall of the leachate ditch operates as a service road and clay wall barrier to the remaining area of the subject property. A continuous line of stressed vegetation was observed along the walls of the ditch approximately five feet from the bottom.

4.3 BUSINESS OPERATIONS

Ten acres of the subject property is used to house the leachate system of the closed Gary Sanitary Landfill. The rest of the subject property is vacant.

4.4 ON-SITE STRUCTURES

A pumping system is located at the west central side of the subject property. Pipes, inlets and outlets with floats were observed on the structure.

4.5 MATERIALS HANDLING, STORAGE AND WASTE DISPOSAL PRACTICES

An excavated ditch inside the Pit, extending at least 1300 feet along the north side, contained an oily rust-colored unknown substance. Debris was observed along the borders of the subject property. Items noted included tires, reinforced concrete piping, concrete foundations, scrap metal and plastic products. Although the area was covered with vegetation, it was apparent during the site walk that some debris was located underneath the vegetation. No other materials handling, storage, or waste disposal practices of environmental concern were observed on the subject property.

4.6 POTENTIAL ON-SITE RECOGNIZED ENVIRONMENTAL CONDITIONS

The walk-through included a visual inspection of the potential presence of the following recognized environmental conditions.

4.6.1 Underground and Above Ground Storage Tanks

No evidence of USTs or ASTs was observed on the subject property. The subject property was not identified on the UST or LUST databases.

4.6.2 Polychlorinated Biphenyls

PCBs are controlled by the Toxic Substance Control Act (TSCA) of 1980. TSCA regulates the manufacture of materials that are considered toxic and potentially harmful to human health and the environment. PCBs were used in older transformer and switchgear fluids as an electrical insulator. PCBs may also be found in recycled oil and older electrical equipment.

No suspect PCB-containing equipment or materials were observed on the subject property.

4.6.3 Sumps and Storm Sewers

A pumping system is located at the west central side of the subject property. Pipes, inlets and outlets with floats were observed on the structure. No other sumps, or storm sewers were observed on the subject property.

4.6.4 Wetlands

Standing water in the J-Pit and the presence of plants typically supported by wetland environments were observed during the site inspections. Since the J-Pit is a man-made feature, however, these observations may not stand as proof of wetlands on the subject property. This investigation does not represent a wetland delineation.

4.7 ADJACENT LAND USE

North West End: Waste Management Recycling Facility (LUST and SWF sites).

North East End Section 1 West end

South West End: Section 4 (former sand mine)

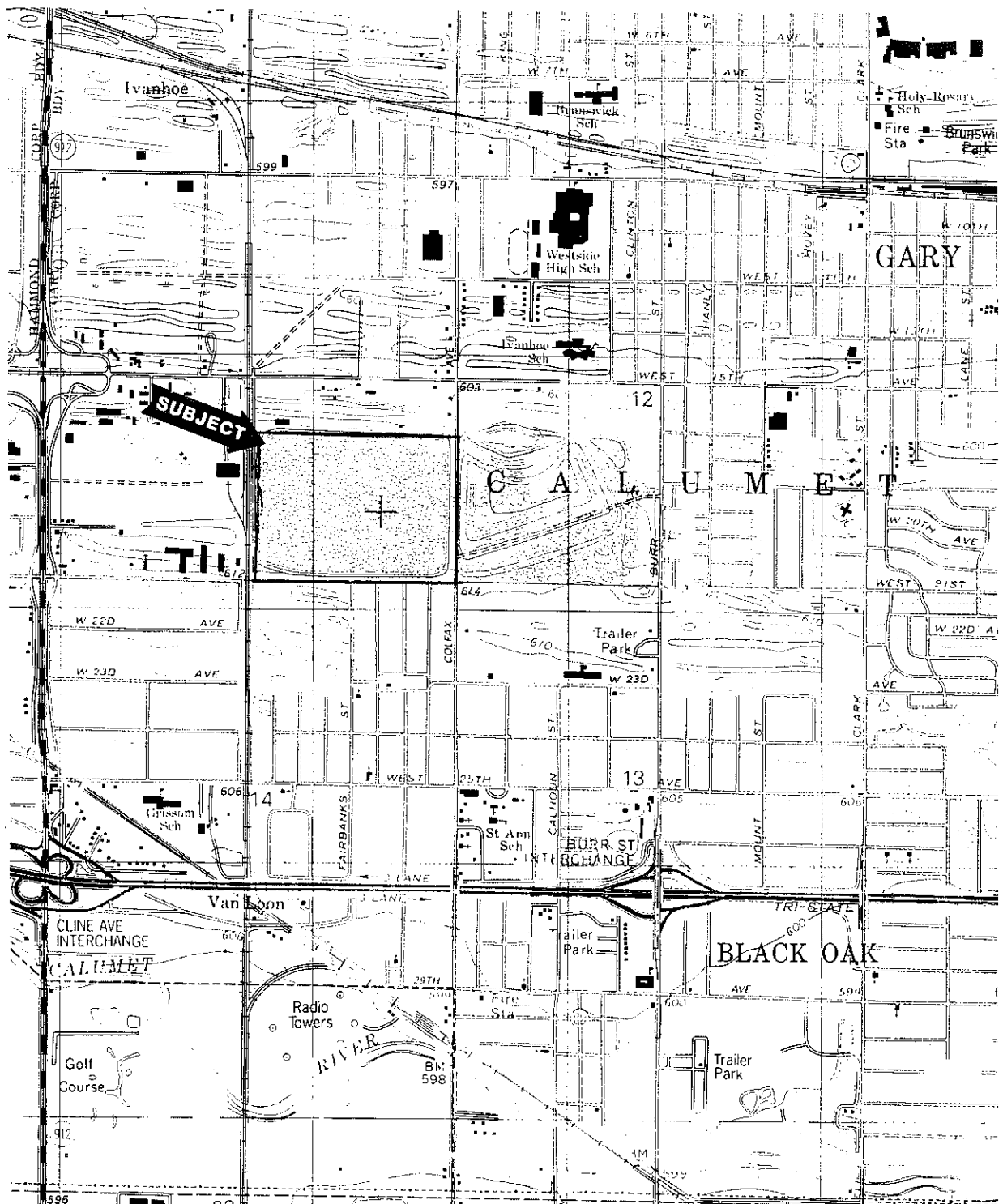
South East End: Section 2(former Junk yard).

East: Colfax Street (former dump) then Closed Gary Sanitary Landfill.

West: Morse Avenue then E.J. & E. Railroad

5.0 REFERENCES

- EcoSearch Environmental Resources, Inc., Government Records Search, Priority Risk Report dated January 24, 2001, Report ID: 2360-5702.
- Interview with Mr. George Kolettis, Dept. of Environmental Affairs, City of Gary, Indiana.
- Interview with Ms. Dorreen Carey, Dept. of Environmental Affairs, City of Gary, Indiana.
- Interview with Ms. Mary Mulligan, Brownfields Specialist, City of Gary, Indiana
- Interview with Ms. Marge Elea, Pres., of Black Oak Redevelopment.
- Lake County Surveyor, aerial photograph dated 1978, Lake County Government Center, Crown Point, IN.
- U.S. Geological Survey, Highland, Indiana, 7.5-minute quadrangle map dated 1991.
- Vistainfo, San Diego, California, NEPA Screen dated February 8, 2001, Project Name/Reference # J-Pit, Gary, IN, 41.582433, -87.418216.
- Vistainfo, San Diego, California, Sanborn Map Report, Report ID: 2360-5001.
- 1960 Polk's City Directory, Gary, Lake County, Indiana
- 1963 Polk's City Directory, Gary, Lake County, Indiana
- 1966 Polk's City Directory, Gary, Lake County, Indiana
- 1969 Polk's City Directory, Gary, Lake County, Indiana
- 1972 Polk's City Directory, Gary, Lake County, Indiana
- 1974-5 Polk's City Directory, Gary, Lake County, Indiana
- 1977 Haines Criss-Cross Directory, Gary, Lake County, Indiana
- 1980 Haines Criss-Cross Directory, Gary, Lake County, Indiana
- 1985 Haines Criss-Cross Directory, Gary, Lake County, Indiana
- 1990 Haines Criss-Cross Directory, Gary, Lake County, Indiana
- 1995 Haines Criss-Cross Directory, Gary, Lake County, Indiana
- 1999 Haines Criss-Cross Directory, Gary, Lake County, Indiana



↑
N

Scale 1 : 24,000

PROJECT NO: 1216.001.05

SITE LOCATION AND
TOPOGRAPHIC MAP FROM
U.S. GEOLOGICAL SURVEY
HIGHLAND, INDIANA 1991

Project: J-Pit Redevelopment
Gary, Indiana

DATE: 4/23/01



Environmental Design International inc.
200 S. Michigan Avenue, Suite 700
Chicago, IL 60604 Phone (312) 356-5400






Figure I

Drawn By DLC

Checked By

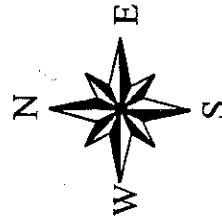
Ground Water Elevations in the Calumet Aquifer During March 1993 and October 1994

Map Compiled on September 21, 1998
by
Gregory J. Overtoom
IDEM Solid Waste Geology

-  Ground Water Divide
-  Ground Water Elevation
-  Gary Municipal Landfill
-  Major Road
-  Surface Water

Ground Water Elevations Shown in
Feet Above Mean Sea Level (M.S.L.)

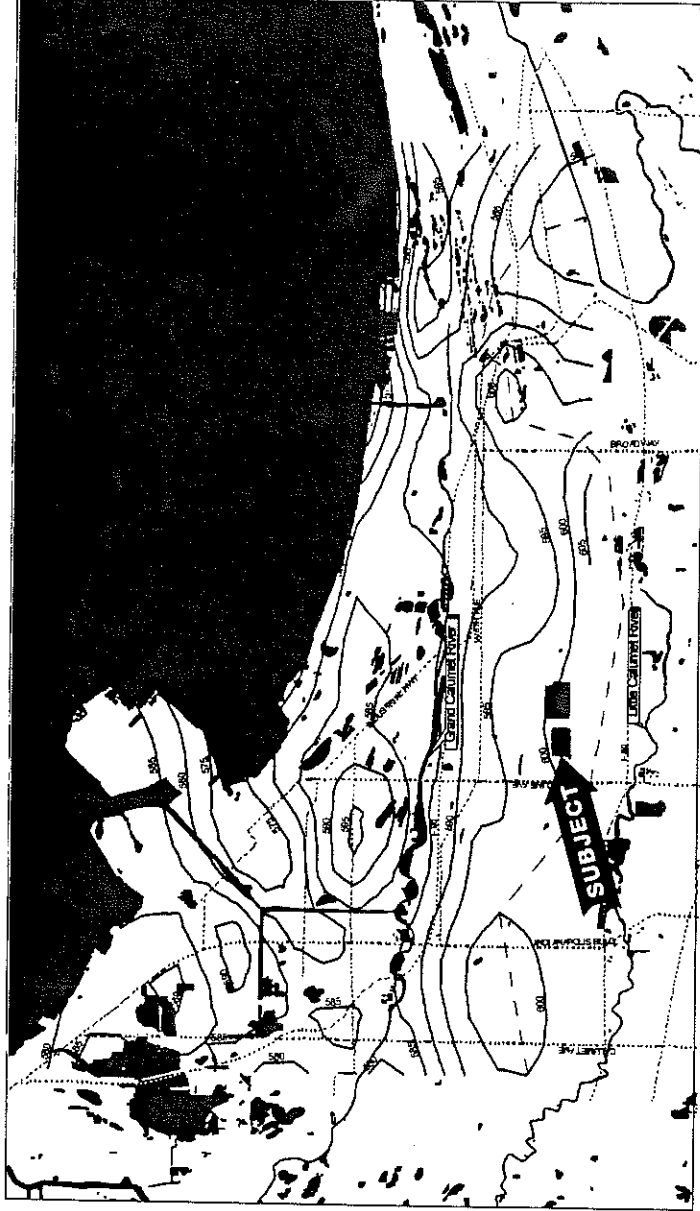
Location of ground and surface water
divide is estimated based upon ground
water elevations.



0.6 0 0.6 Miles




Ground Water Elevation, March, 1993



Ground Water Elevation, October 1994

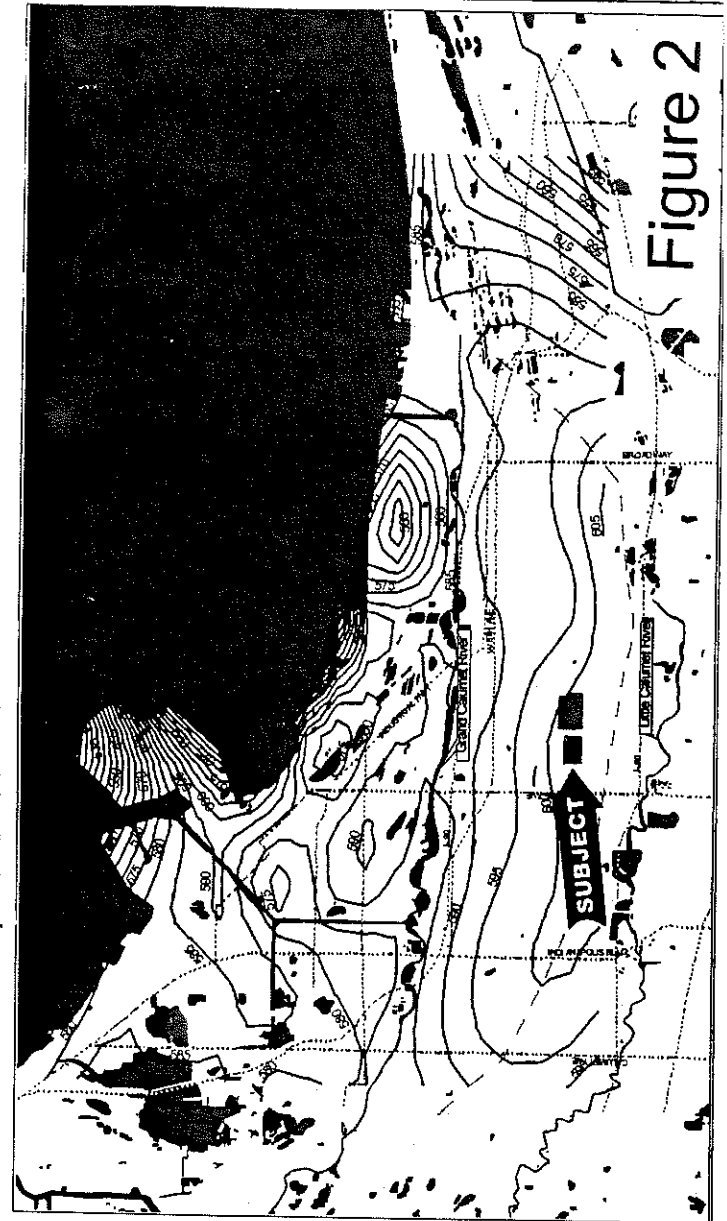


Figure 2

APPENDICES

APPENDIX A: MAPS SHOWING THE SUBJECT PROPERTY

APPENDIX B: SANDBORN MAP REPORT

EcoSearch Historical Fire Insurance Map Collection
Search Results from VISTAinfo

Site:

J-Pit
Gary, IN

Status:

No historic map coverage is available for this site in the ERIIS Historic Map Collection for the period covering the years 1867 - 1994.

The VISTAinfo Historic Map Collection is the largest and most extensive private collection of prior-use maps in the United States, thereby affording the greatest degree of historic due diligence. VISTAinfo's inventory includes images from the following publishers:

- * Bracy
- * Bromley
- * Dakin
- * Hexamer
- * Hopkins
- * Manufacturers Mutual Fire Insurance Maps
- * Nirenstein Real Estate Atlases
- * Sanborn Fire Insurance Map Collections
- * Scarlett and Scarlett
- * Rascher
- * William G. Baist

APPENDIX C: AERIAL PHOTOGRAPH



(451)
P. 001
P. 000

P. 011-153 041
P. 000

(476)

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BELL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
EDISON	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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HOBART	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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NEPAScreen™

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref#: J-PITT COLFAX GARY IN 41.582433, -87.418216	VARDON JENNIFER ENVIRONMENTAL DESIGN INTERNATIONAL 200 S. MICHIGAN AVE, STE 700 CHICAGO IL 60604

Element Occurrence Summary			Occurrences	
	Layers Searched	Search Radius	Radius	Site
WA	National Park Service Lands	1.00 mile(s)	-	-
WA	National Forest Service Lands	1.00 mile(s)	-	-
WA	National Parkways and Scenic Rivers	1.00 mile(s)	-	-
WA	Bureau of Land Management Wilderness Areas	1.00 mile(s)	-	-
WA	State Parks and Forests	1.00 mile(s)	-	-
WR	US Fish and Wildlife Service National Wildlife Refuges	1.00 mile(s)	-	-
HP	National Register of Historic Places	0.50 mile(s)	-	-
NA	Areas of Native American Significance	1.00 mile(s)	-	-
FP	Floodplain Areas - <i>Digital data available</i>	0.50 mile(s)	-	-
WI	National Wetland Inventory Areas - <i>Digital data available</i>	0.50 mile(s)	X	X

A radius occurrence is where the given subject element is found within the Search Radius of the specified site. A positive site occurrence is where the given subject element is found within 1/8 mile of the specified site.

WA = Wilderness Area; WR = Wildlife Refuge; ES = Threatened and Endangered Species; HP = Historic Place; FP = Floodplain Area; WI = Wetland Inventory Area; NA = Native American Area

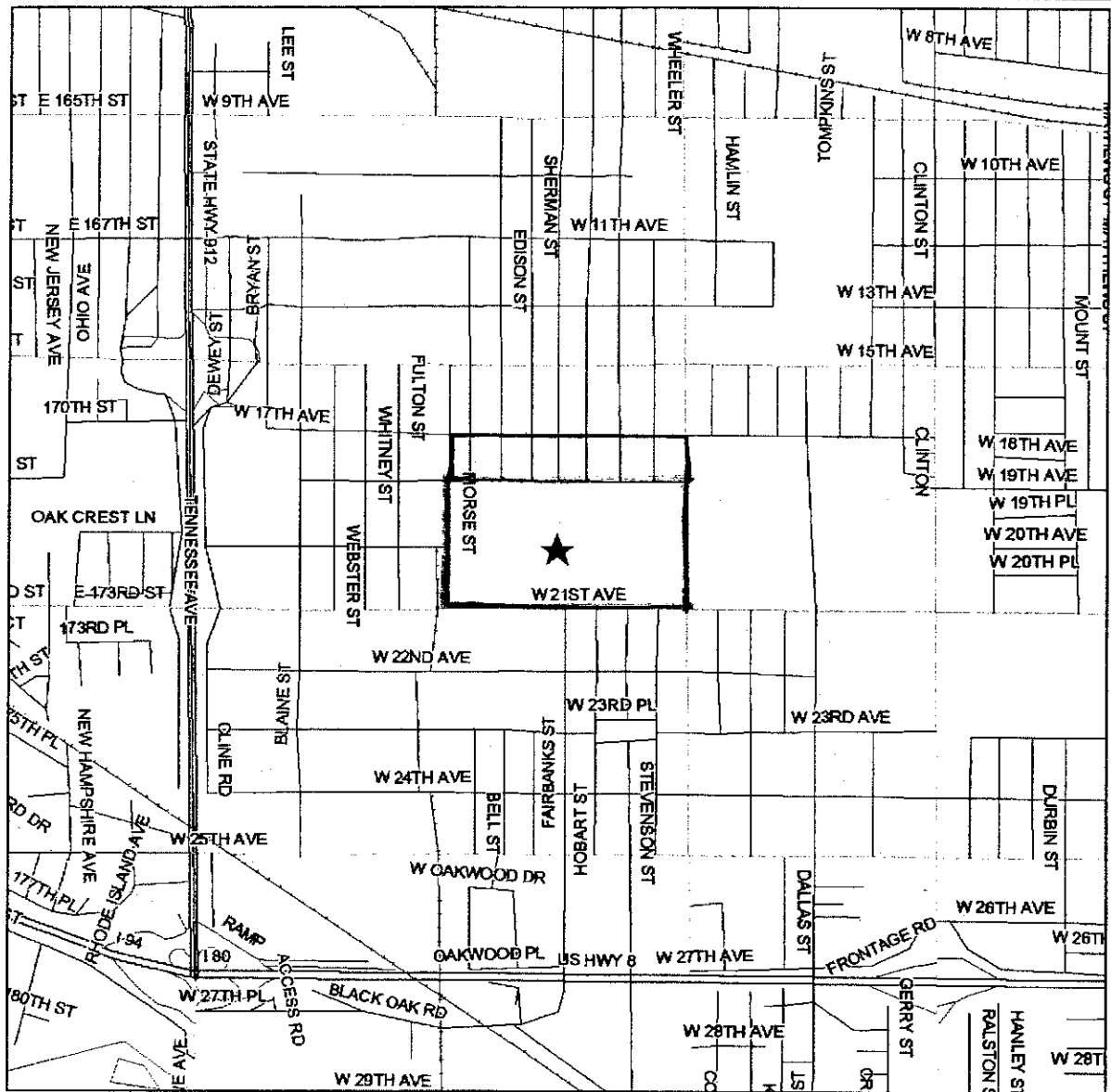
ND = Not Digital: Determination of radius and site element occurrences subject to client review of provided hardcopy map(s).
NP = Not Published: Quad has not been inventoried, no review is possible.

LIMITATION OF LIABILITY

This Checklist provides publicly available data that is compiled to comply in part with NEPA standards. Depending on the project, review of additional state and local resources may be required to fully comply with some NEPA standards. Customer proceeds at its own risk in choosing to rely on VISTA services, in whole or in part, prior to proceeding with any transaction. VISTA cannot be an insurer of the accuracy of the information, errors occurring in conversion of data, or for customer's use of data. VISTA and its affiliated companies, officers, agents, employees and independent contractors cannot be held liable for accuracy, storage, delivery, loss or expense suffered by customer resulting directly or indirectly from any information provided by VISTA.







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STREET MAP



Subject Site



- | | |
|---|------------|
|  | Railroad |
|  | Road |
|  | Water Body |
|  | County |
|  | City |
|  | State |



NEPAScreen™

NATIONAL REGISTER OF HISTORIC PLACES - UNMAPPABLE OR RESTRICTED SITES

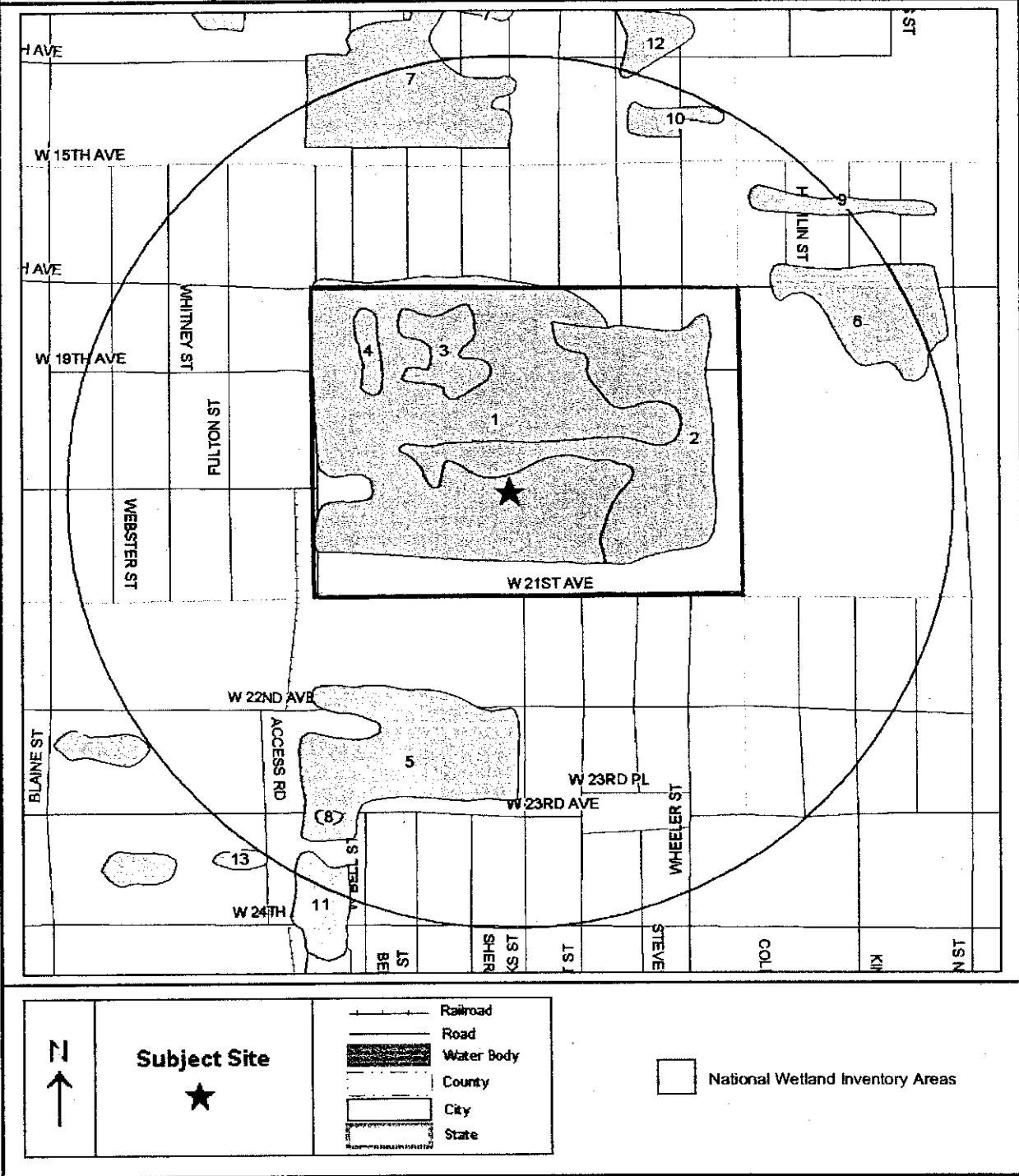
SITES THAT ARE NOT MAPPED DUE TO RESTRICTED OR INCOMPLETE ADDRESSES
(List is for all counties within search radius)

Reference #	Name	Address	City, State	County
99001157	State Street Commercial Historic District	Roughly State St., bet. Sohl and Bulletin Ave.	Hammond, IN	Lake
99001107	Whitaker, William, Landscape and House	472 S. Main	Crown Point, IN	Lake
99001112	First Unitarian Church of Hobart	497 Main St.	Hobart, IN	Lake

	NEPAScreen™
	FLOODPLAIN AREAS - PANEL REFERENCE

Element Information:	Panel Number: 1801320018C
Panel Reference	

Element Information:	Panel Number: 1801320019C
Panel Reference	



	<h1>NEPAScreen™</h1>	
	NATIONAL WETLAND INVENTORY AREAS - DETAILS	

Element Information:	PEMCX [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded, [x] Excavated	Map ID 1
National Wetland Inventory Areas		
Area: 230026.46 square meters		

Element Information:	PUBFX [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded, [x] Excavated	Map ID 2
National Wetland Inventory Areas		
Area: 93900.63 square meters		

Element Information:	PUBFX [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded, [x] Excavated	Map ID 3
National Wetland Inventory Areas		
Area: 16695.51 square meters		

Element Information:	PUBFX [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded, [x] Excavated	Map ID 4
National Wetland Inventory Areas		
Area: 5744.49 square meters		

Element Information:	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded	Map ID 5
National Wetland Inventory Areas		
Area: 76886.30 square meters		

Element	PUBHX	Map ID
---------	-------	--------

Information:	[P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated	6
National Wetland Inventory Areas		
Area:	42269.52 square meters	

Element Information:	PEM/FO1C [P] Palustrine, [EM] Emergent / , [FO] Forested, [1] Broad-Leaved Deciduous, [C] Seasonally Flooded	Map ID 7
National Wetland Inventory Areas		
Area:	118409.37 square meters	

Element Information:	PEMF [P] Palustrine, [EM] Emergent, [f] Farmed	Map ID 8
National Wetland Inventory Areas		
Area:	1006.71 square meters	

Element Information:	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded	Map ID 9
National Wetland Inventory Areas		
Area:	10308.52 square meters	

Element Information:	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded	Map ID 10
National Wetland Inventory Areas		
Area:	7115.84 square meters	

Element Information:	PEMC [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded	Map ID 11
National Wetland Inventory Areas		
Area:	16392.33 square meters	

Element	PEMC	Map ID
---------	------	--------

Information:	[P] Palustrine, [EM] Emergent, [C] Seasonally Flooded	12
National Wetland Inventory Areas		
Area:	14299.84 square meters	

Element Information:	PEMF [P] Palustrine, [EM] Emergent, [f] Farmed	Map ID 13
National Wetland Inventory Areas		
Area:	2877.07 square meters	

	NEPAScreen™
	NATIONAL WETLAND INVENTORY AREAS - QUAD REFERENCE

Element Information:	Quad Name: Highland
Quad Reference	
Map Reference Code:	41087-E4
Photo Date:	11/1/81
Status:	FINAL
Scale:	1:24K

NEPAScreen™

OTHER RELEVANT ITEMS

NEPA Elements Not Addressed in this Checklist

FEDERAL		
1	Native American Religious Site Information	May be requested from: Frank Keel Eastern Area Office Bureau of Indian Affairs 3701 North Fairfax Drive, MS 260 VA SQ Arlington, VA 22203 Phone: (703) 235-2571 Fax: (703) 235-8610
2	Endangered Species Information	May be requested from: Field Supervisor U.S. Fish and Wildlife Service 620 South Walker Street Bloomington, IN 47403-2121 Phone: (812) 334-4261 Fax: (812) 334-4273
STATE		
3	State Historic Preservation Office	May be requested from: State Historic Preservation Officer Department of Natural Resources 402 West Washington Street, Room W 274 Indianapolis, Indiana 46204 Phone: (317) 232-4020 E-mail: dhp_a_at_dnr@ma.isd.state.in.us

NEPAScreen™

ELEMENTS REVIEWED

National Park Service Lands

Source: United States Geological Survey Federal Lands, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4528

This data portrays lands Federally Administered by the National Park Service. This data includes National Historic Landmarks and National Parks. Data was obtained from the USGS and further enhanced by VistaInfo.

National Forest Service Lands

Source: United States Geological Survey Federal Lands, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4528

This data portrays lands Federally Administered by the National Forest Service. Data was obtained from the USGS and further enhanced by VistaInfo.

National Parkways and Scenic Rivers

Source: United States Geological Survey, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4528

This map layer portrays the locations of federally administered parkways and wild and scenic rivers. Data was obtained from the USGS and further enhanced by VistaInfo.

Bureau of Land Management Wilderness Areas

Source: United States Geological Survey, National Atlas of the United States
521 National Center
Reston, VA 20192
Phone: (703) 648-4528

This map layer portrays the locations of federally administered Bureau of Land Management Wilderness Areas. Data was obtained from the USGS and further enhanced by VistaInfo.

National Wildlife Refuges

Source: United States Fish and Wildlife Service
Division of Realty
1849 C St., NW
Washington, DC 20240-0001
(703) 358-2414

This map layer portrays the locations of National Wildlife Refuges as administered by the United States Fish and Wildlife Service. This database was obtained from the USF&WS and each site was mapped using existing government GIS data and external map resources.

State Wilderness Areas

Source: VistaInfo, Inc.
GIS Research Center
67 North Main Street
Essex, CT 06426
(860) 767-2515

This map layer is a representation of state level data that has been incorporated into a nationwide GIS database for the purpose of research and assessment. The data includes, but is not limited to, the locations of known Parks, Forests, Conservation Areas, Game Lands, Wildlife Preserves, Protected Lands, Recreation Areas, Trust Lands, and Wilderness Areas. The specific source for each occurrence is reported within each identified occurrences attribute data. No federal wilderness areas are represented within this database.

Areas of Native American Significance

Source: VistaInfo, Inc.
GIS Research Center
67 North Main Street
Essex, CT 06426
(860) 767-2515

This map layer is a representation of the various Native American Owned Lands, Reservations and other areas of significance known to Vista. The specific source for each occurrence is reported within each identified occurrences attribute data. This data layer is not meant to comply with NEPA

regulations - it is meant to serve as a preliminary screening tool only. Official State and Federal Native American Offices should always be consulted

National Register of Historic Places

Source: National Park Service, National Register Information System (NRIS)
P.O. Box 37127
Washington, DC 20013-7127
(202) 343-9543

The National Register of Historic Places is the official list of districts, sites, buildings, structures, and objects significant in American History, architecture, archeology, engineering, and culture. National Register properties have significance in the prehistory or history of their community, state, or nation. The NRIS is a database of over 68,000 historic sites listed on, removed from, or pending listing in the National Register. VistalInfo has thoroughly researched and plotted the historic sites listed within the National Register, including sites with restricted locations.

Floodplain Areas

Source: Federal Emergency Management Agency, National Flood Insurance Program FIRM and Q3 Flood Data
Federal Emergency Management Agency
500 C Street, S.W.
Washington, DC 20472
(800) 358-9616

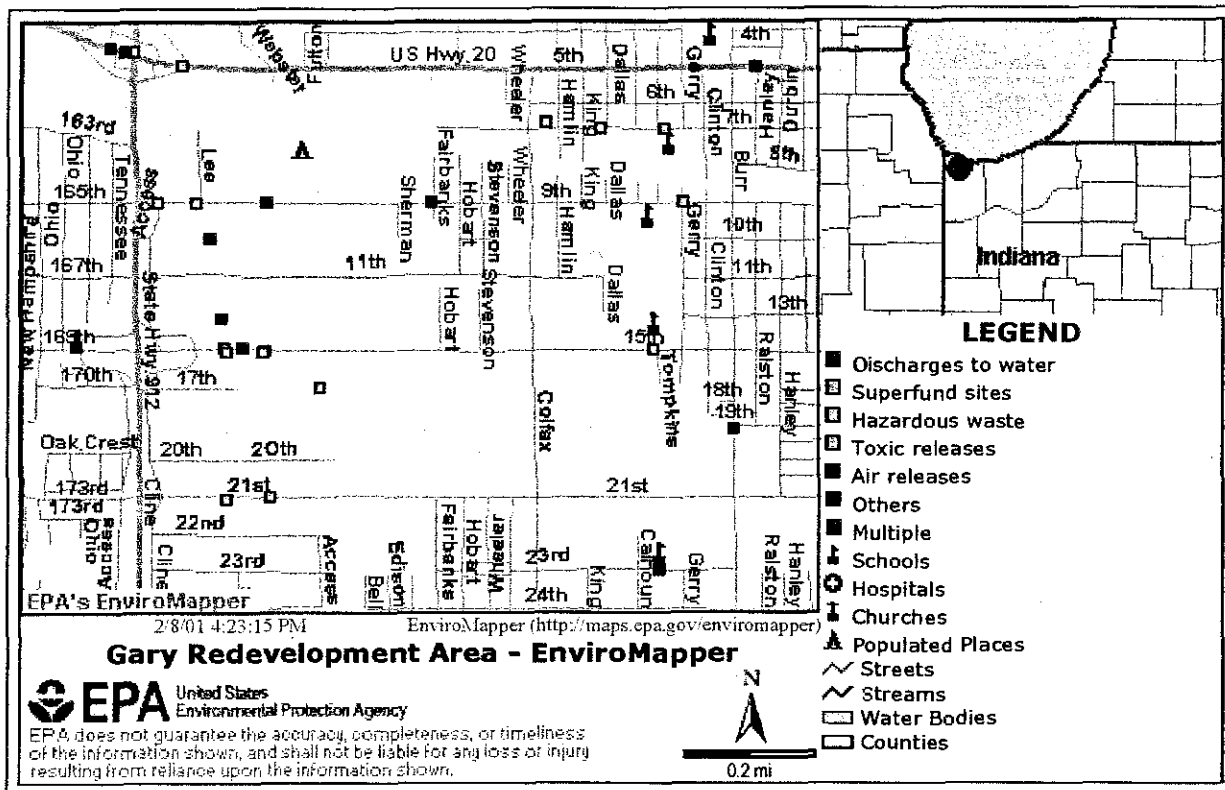
Floodplain data, as defined by the Federal Emergency Management Agency, have been obtained as both paper maps (FIRMs) and Q3 (digital data) maps showing 100 and 500 year floodplains. There have been over 80,000 FIRM maps published by FEMA with over 800 counties currently represented as Q3 digital data.

National Wetland Inventory Areas

Source: United States Fish and Wildlife Service - National Wetland Inventory
USGS/FWIC National Headquarters
507 National Center
Reston, VA 22092
(800) 872-6277

National Wetland Inventory (NWI) 1:24k and 1:25k quadrangle maps and digital data represent wetland locations and classification as defined by the US Fish and Wildlife Service.

End of Report



**APPENDIX E: ECOSEARCH GOVERNMENT RECORDS SEARCH,
PRIORITY RISK REPORT**

EcoSearch Environmental Resources, Inc.

9365 Counselors Row Suite 104
Indianapolis, Indiana 46240
ph: (317) 574-8830 fax: (317) 574-8840

EcoSearch Government Records Search

Type of Report:	Priority Risk Report
Site Location:	J-Pit Gary, IN 46406
Date:	January 23, 2001
Report ID Number:	2360-5702
Especially Prepared For:	Ms. Jennie Vardon Environmental Design International

Limits of Information:

Customer proceeds at its own risk in choosing to rely on EcoSearch Environmental Resources, Inc. ("EcoSearch") services, in whole or in part, prior to proceeding with any transaction. EcoSearch cannot be an insurer of the accuracy of the information, errors occurring in the conversion of data, or for customer's use of the data. EcoSearch and its affiliated companies, officers, agents, employees, and independent contractors cannot be held liable for accuracy, storage, delivery, loss, or expense suffered by the customer resulting directly or indirectly from any information provided by EcoSearch Environmental Resources, Inc.

Thank you for choosing EcoSearch.

Introduction

We want to thank you for your order requesting the enclosed site assessment.

EcoSearch makes every effort possible to combine the most accurate environmental data available into an understandable and easy-to-use format.

While every attempt has been made to ensure accuracy of the information presented, we cannot guarantee the accuracy of the data from the original sources, nor can we guarantee that no transcription or plotting errors have occurred.

If any concerns arise from your review of the databases in this report, please call the appropriate agency involved. As a service, we have included phone numbers in the database description section of this report to help you in your evaluation.

The enclosed maps present a working approximation of the location of surrounding environmental sites based primarily on available accurate site addresses. These maps should not be used for purposes more correctly handled by surveys.

EcoSearch is driven by its mission to present the most responsive, technically sound, and cost-effective environmental data services available to our customer.

Read Me First

The following suggestions are offered in an attempt to help you in using and understanding this site assessment from EcoSearch:

1. Skim over the entire report to familiarize yourself with its contents and layout.
2. You will notice that the information is presented following this general concept: we begin by giving sections that summarize data and then give detailed information about these summaries as you proceed further into the report.
3. Then refer to the section titled "Statistical Overview". You will need to take a moment to read the column headings and the data below them. Also, as you go down the first column (left side) you will probably need to look back at the preceding section titled "Database Descriptions". Please pay particular attention to the radii searched as they vary according to the database. These are ASTM standards that we meet and exceed. Your site's datum is the third, shaded column. Also, the next column showing database hits within the first radius is important as it will include data about adjoining properties. The unmappable sites have their own section with a cover page explaining them.
4. The next section titled "Maps" is important as it gives a very clear visual presentation of the site, and which database(s) are at the site itself or within the study radii.
5. The site summary page(s) tells you by map ID# which database is at that location as well as the site's name and distance/direction from your study site. You will notice that the numbering corresponds to the distance from the subject site-- e.g. #1 is your site itself or the site closest to it, #2 is further away. This continues until all database hits have been summarized within the largest study radius. Your report may extend further than one mile if you asked us to extend the radii.
6. As you will recall our format goes from summary-type pages to detailed information. Therefore, the next section is "Detailed Data". Here extensive data is given about each database hit. The map ID#, distance, and direction are in the top left corner. Further data follows.
7. The "Unmappable" section was referred to earlier. In this summary you will find those sites. Please read the cover page as it describes unmappable sites and our efforts to minimize and/or eliminate them from all of our site assessments.
8. The last section -- "Glossary/Acronyms" is self-explanatory and often helpful to our customers.

If you would like further help in understanding our reports please refer to the frequently asked questions list on our web site or call as our intention is to have this report helpful to you.

Database Descriptions -- Federal Databases

NPL

National Priorities List

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(703) 603-8881

Data Date: August 18, 2000
Release Date: August 18, 2000
Active Date: November 6, 2000
Last Contact Date: January 18, 2001

The NPL is a subset of the CERCLIS and lists over 1,150 of the nation's most dangerous sites of uncontrolled or hazardous waste which require cleanup. Also known as the Superfund List, the sites are scored according to the hazardous ranking system.

CERCLA (Active)

Comprehensive Environmental Response, Compensation, and Liability Information System (Active)

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
1-800-775-5037

Data Date: August 18, 2000
Release Date: August 18, 2000
Active Date: November 7, 2000
Last Contact Date: January 19, 2001

CERCLIS maintains information on over 15,000 sites nationally identified as hazardous or potentially hazardous which may require action. These sites are currently being investigated or an investigation has been completed regarding the release of hazardous substances. The most serious of this list as ranked by the hazardous ranking system are transferred to the NPL.

CERCLA (NFRAP Archive)

Comprehensive Environmental Response, Compensation, and Liability Information System (NFRAP Archive)

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
1-800-775-5037

Data Date: August 18, 2000
Release Date: August 18, 2000
Active Date: November 7, 2000
Last Contact Date: January 18, 2001

For more complete information purposes we include sites which have been reclassified as No Further Remedial Action Planned (NFRAP) by the EPA. This action was taken by the EPA beginning February 1995 as a part of the Brownfields Redevelopment Program. These former CERCLIS sites, also known as the CERCLIS Archive, have been delisted because a lack of significant contamination was found.

RCRA TSD

Resource Conservation and Recovery Information System -- Treatment, Storage, and Disposal Facilities

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: April 15, 2000
Release Date: April 15, 2000
Active Date: August 7, 2000
Last Contact Date: January 18, 2001

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The TSD database is a subset of the complete RCRIS file which includes facilities which treat, store, dispose, or incinerate hazardous waste. Additionally, compliance and corrective action (CORRACTS) information is included.

RCRA Generator

Resource Conservation and Recovery Information System - Large and Small Quantity Generators, Transporters, and Notifiers

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
800-424-9346

Data Date: April 15, 2000
Release Date: April 15, 2000
Active Date: August 7, 2000
Last Contact Date: January 18, 2001

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The generators database is a subset of the complete RCRIS file which includes hazardous waste generators which create more than 100kg of hazardous waste per month or meet other requirements of RCRA. We also include RCRA Notifiers, Transporters, and formerly regulated RCRA Sites for more complete hazardous waste information. Additionally, compliance and corrective action information is included.

RAATS

RCRA Administrative Action Tracking System

US Environmental Protection Agency
Office of Enforcement and Compliance Assurance
(202) 564-4104

Data Date: April 14, 1995
Release Date: Not Available
Active Date: April 17, 1995
Last Contact Date: January 18, 2001

The RCRA Administrative Action Tracking System contains additional information on RCRA enforcement actions. Data includes the type of action, proposed penalty, and final penalty amount. This is a historical database and will not be updated by the source agency. EcoSearch will call once a year to verify historical status.

CORRACTS

Resource Conservation and Recovery Information System -- Corrective Action Sites

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: April 15, 2000
Release Date: April 15, 2000
Active Date: August 7, 2000
Last Contact Date: January 18, 2001

The CORRACTS database includes RCRIS (Resource Conservation and Recovery Information System) sites with reported corrective action. This information is also reported in the standard RCRIS detailed data.

ERNS

Emergency Response Notification System

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-2342

Data Date: January 1, 2000
Release Date: January 1, 2000
Active Date: March 17, 2000
Last Contact Date: January 18, 2001

ERNS is a national database which contains information on specific notification of releases of oil and hazardous substances into the environment. The system stores data regarding the site of the spill, the material released, and the medium into which it occurred.

PADS

PCB Activity Database System

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-3992

Data Date: November 20, 1999
Release Date: November 20, 1999
Active Date: February 18, 2000
Last Contact Date: January 18, 2001

This database stores information about facilities which handle PCBs and file EPA form 7710-53. It is divided into storage facilities, disposers, generators, and transporters.

TRI

Toxic Release Inventory

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-1531

Data Date: October 1996
Release Date: November 1999
Active Date: March 17, 2000
Last Contact Date: January 18, 2001

TRI contains information from facilities which manufacture, process, or import any of the over 300 listed toxic chemicals which are released directly into air, water, or land or are transported off-site. The database includes facts on amounts of chemicals stored and emitted from the facility. This database is released on an infrequent basis by the US EPA. EcoSearch includes information from 1987 through the 1996 reporting year.

SSTS

Section Seven Tracking System

US Environmental Protection Agency
Office of Prevention, Pesticides, and Toxic Substances
(202) 564-5008

Data Date: July 31, 1998
Release Date: Not Available
Active Date: August 27, 1998
Last Contact Date: January 18, 2001

Formerly FATES, this system tracks the registration of pesticide-producing establishments and tracks the types and amounts of pesticides, active ingredients, and devices which are sold, produced, or distributed annually.

DOCKET

Civil Enforcement Docket

US Environmental Protection Agency
Office of Enforcement
(202) 564-4114

Data Date: September 3, 1998
Release Date: Not Available
Active Date: February 3, 1999
Last Contact Date: January 18, 2001

The Civil Enforcement Docket is information on civil and administrative actions filed by the Department of Justice for the US Environmental Protection Agency. This record has been continually updated since 1972 and includes data regarding facility name, dates, laws violated, and penalties assessed.

TSCA

Toxic Substances Control Act Inventory

US Environmental Protection Agency

(202) 554-1404

Data Date: May 14, 1986

Release Date: Not Available

Last Contact Date: January 18, 2001

The Toxic Substances Control Act Inventory includes the locations and chemical production information of more than 7000 processors and manufacturers of chemicals. This database is no longer released to the public by the US EPA.

Database Descriptions -- State Databases

SCL (HWS)

Indiana State Cleanup List

Indiana Department of Environmental Management
Office of Environmental Response
(317) 308-3008

Data Date: December 8, 1998
Release Date: December 8, 1998
Active Date: June 15, 1999
Last Contact Date: January 11, 2001

This database identified sites deemed by the State of Indiana for remediation. It also includes sites designated for immediate removal, voluntary cleanup, and hazardous ranked sites listed on the IDEM Commissioner's Bulletin No. 6 (dated 12/10/95).

SWF

Indiana Permitted Solid Waste Facilities

Indiana Department of Environmental Management
Office of Solid Waste Management
(317) 232-3395

Data Date: February 16, 2000
Release Date: February 16, 2000
Active Date: February 29, 2000
Last Contact Date: January 11, 2001

This state database lists sites which are regulated for solid waste disposal by the State of Indiana. It is updated twice a year by the Office of Solid Waste Management.

LUST

Indiana Leaking Underground Storage Tank List

Indiana Department of Environmental Management
(317) 308-3008

Data Date: January 8, 2001
Release Date: January 8, 2001
Active Date: January 13, 2001
Last Contact Date: January 14, 2001

The IDEM LUST list contains information on underground storage tanks with reported releases into the environment. Agency Required Disclaimer: This information is an unconfirmed, non-verified list of reported notifications or releases at facilities or sites. It should not be used for or considered as a final Agency determination of whether proper notification, actual releases, or the completion of remedial activities have occurred. In providing this list, the Agency makes no representation regarding the accuracy of the information.

UST

Indiana Registered Underground Storage Tank List

Indiana Department of Environmental Management
Underground Storage Tank Branch
(317) 308-3008

Data Date: January 8, 2001
Release Date: January 8, 2001
Active Date: January 13, 2001
Last Contact Date: January 13, 2001

The Indiana UST list provides the location of registered underground storage tanks. Agency Required Disclaimer: This information is an unconfirmed, non-verified list of reported notifications or releases at facilities or sites. It should not be used for or considered as a final Agency determination of whether proper notification, actual releases, or the completion of remedial activities have occurred. In providing this list, the Agency makes no representation regarding the accuracy of the information.

EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 2360-5702
Site: J-Pit
Gary, IN 46406

- ★ Study Site
- ⊙ Study Site Matches Database

FEDERAL DATABASES Radius (mi)

■ NPL Sites	1.25
■ CERCLA (Active) Sites	1.25
■ CERCLA (NFRAP Archive) Sites	1.25
▲ RCRA TSD Sites	1.25
▲ RCRA Generator Sites	0.38
◆ CORRACT'S Sites	1.25
◆ ERNS Sites	0.38
◆ PADS Sites	1.25
◆ TRI Sites	0.75
◆ SST'S Sites	1.25
◆ DOCKET Sites	1.25
◆ TSCA Sites	1.25

STATE DATABASES

■ SCL (HWS) Sites	1.25
◆ SWF Sites	1.25
◆ LUST Sites	0.75
◆ UST Sites	0.38

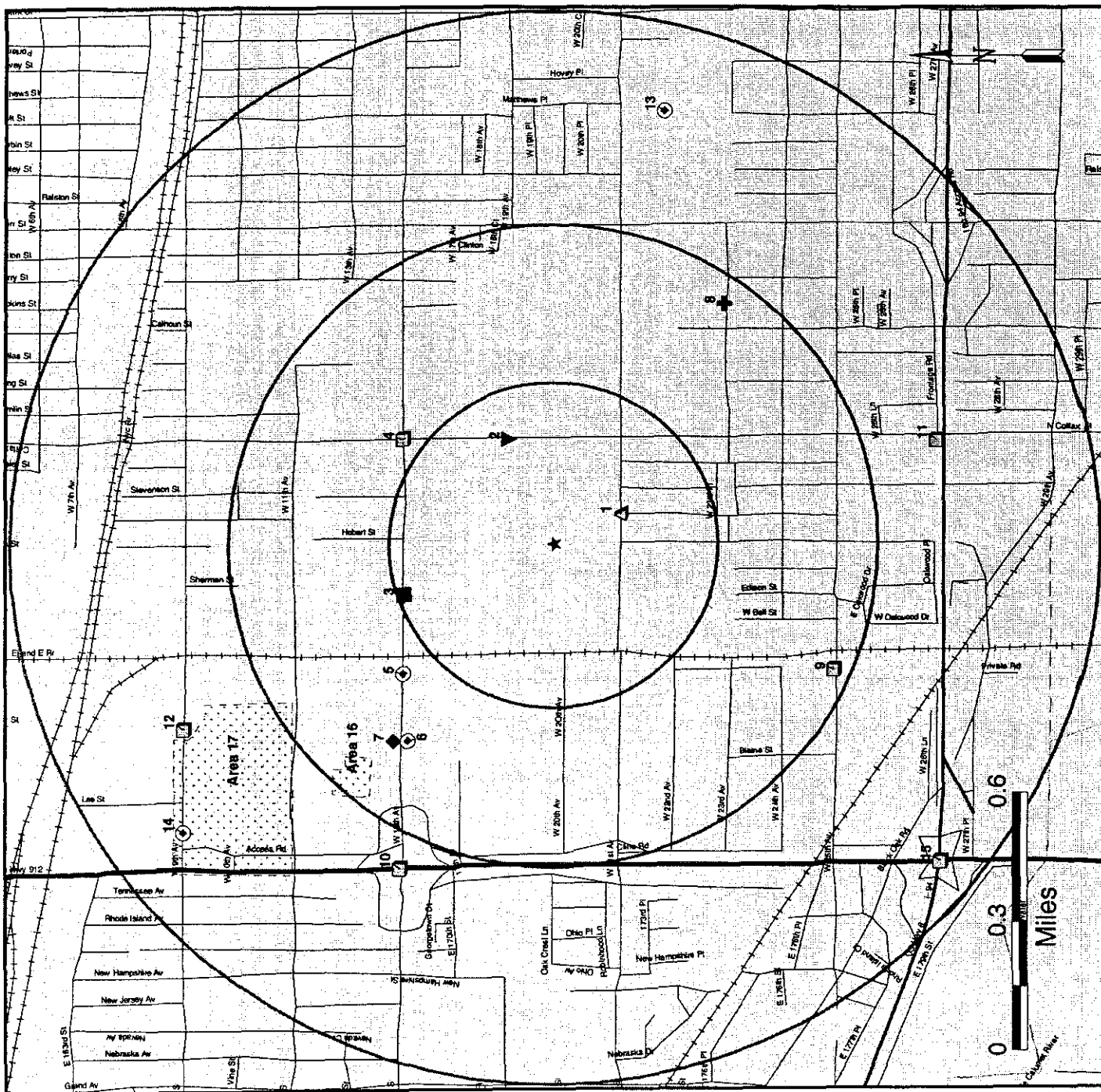
MULTIPLE MATCHES / AREAS

- ⊙ Two Database Matches
- ⊙ Three or More Matches
- ⊙ Database Area Site

MAP LEGEND

■ Parks	— Streets
■ Incorp. Areas	— Secondary Roads
■ Water	— Primary Roads
■ Cemeteries	— Freeways
	— Railroads
	— Boundaries

Radius: 0.38 mile, 0.75 mile, 1.25 miles



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Priority Risk Report Map

Report ID: 2360-5702

Site:

J-Pit

Gary, IN 46406

★ Study Site

★ Study Site Matches Database

FEDERAL DATABASES Radius (mi)

■	NPL Sites	1.25
■	CERCLA (Active) Sites	1.25
■	CERCLA (INFRAP Archive) Sites	1.25
■	RCRA TSD Sites	1.25
▲	RCRA Generator Sites	0.38
◆	CORRACTS Sites	1.25
●	ERNS Sites	0.38
●	PADS Sites	1.25
+	TRI Sites	0.75
★	SSTS Sites	1.25
●	DOCKET Sites	1.25
▼	TSCA Sites	1.25

STATE DATABASES

■	SCL (HWS) Sites	1.25
◆	SWF Sites	1.25
◆	LUST Sites	0.75
◆	UST Sites	0.38

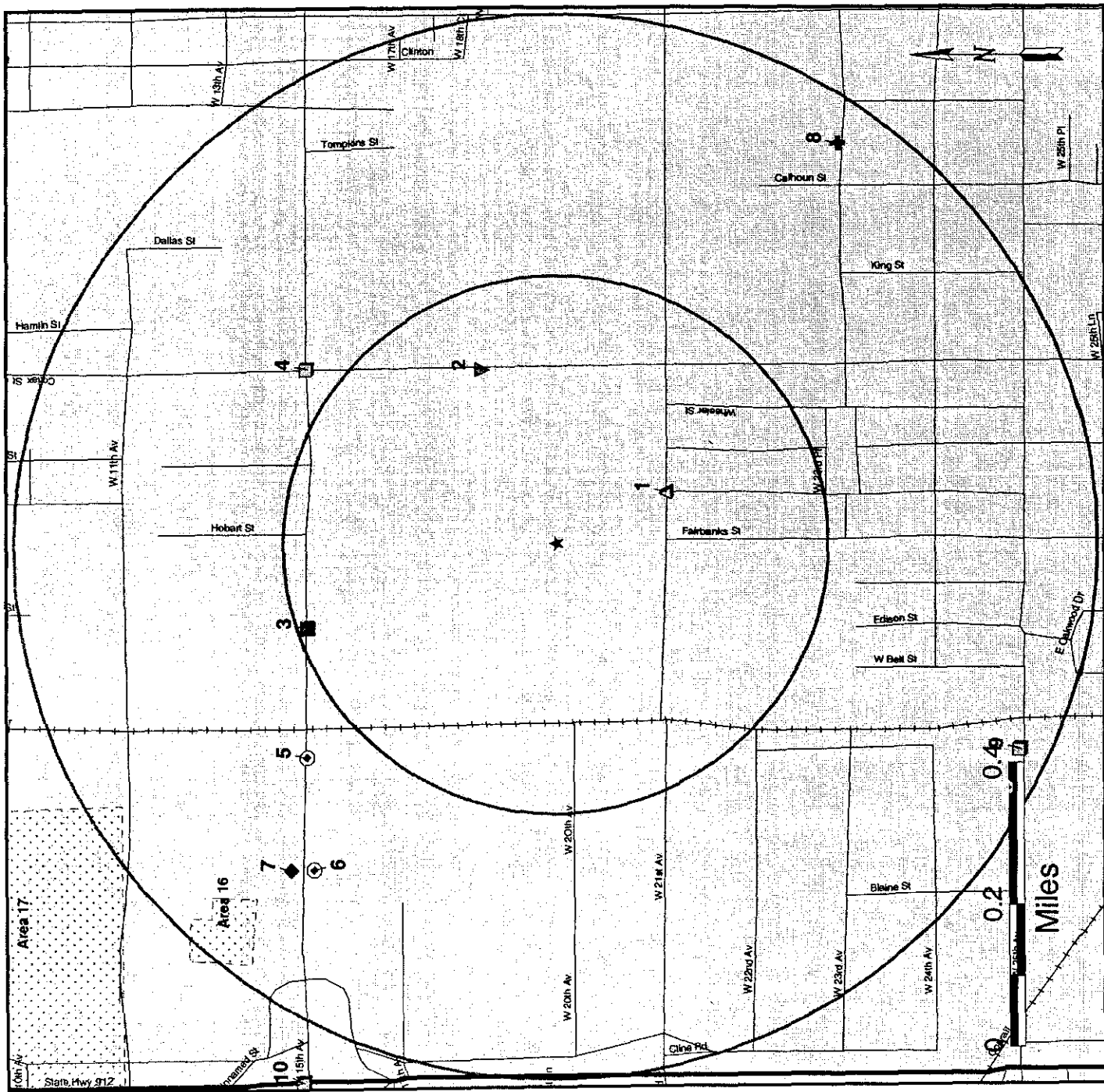
MULTIPLE MATCHES / AREAS

- Two Database Matches
- Three or More Matches
- Database Area Site

MAP LEGEND

- Parks
- Streets
- Secondary Roads
- Primary Roads
- Freeways
- Water
- Cemeteries
- Railroads
- Boundaries

Radius: 0.38 mile, 0.75 mile, 1.25 miles



Note: The information contained on this map is subject to the general disclaimer on the first page.

Report ID: 2360-5702
Site: J-Pit
Gary, IN 46

○ Target Area

Map Features are Color Coded

Black -- Cultural features such as roads and buildings.

Blue -- Hydrographic features such as lakes and rivers.

Brown -- Hypsographic (elevation) features shown by contour lines.

Green -- Woodland cover, scrub, orchards, and vineyards.

Red -- Important roads and public land survey system.

Purple -- Features added from aerial photographs during map revision.
The changes are not field checked.

A detailed Topographic Map Symbols pamphlet is available from EcoSearch free upon request.

Radial: 0.25 mile, 0.50 mile, 1.00 mile

Topographical Map:

Highland, IN - 1991

Radial: 0.25 mile, 0.50 mile, 1.00 mile

Miles

025

•

Source: United States Geological Survey, 7.5 minute Topographic Map (Digital Raster Graphics)

EcoSearch Statistical Overview

Property Information				
J-Pit Gary, IN 46406				
Latitude:	41.582858	N	Longitude:	87.418001 W

Search Parameters	
Report:	Priority Risk Report
Radius:	ASTM*
Zip Code(s):	46406 46323
City:	Gary

FEDERAL DATABASES	Radius (miles)	Mappable Sites						Unmappable Sites		
		Total	Site	Area Vicinity**	within 0.38mi	0.38 - 0.75mi	0.75 - 1.25mi	Zip Code	City	County
NPL	1.250	2	0	2	0	0	0	0	0	0
CERCLA (Active)	1.250	2	0	0	0	0	2	0	0	0
CERCLA (NFRAP Archive)	1.250	7	0	1	0	2	4	0	0	0
RCRA TSD	1.250	0	0	0	0	0	0	0	0	0
RCRA Generator	0.380	1	0	0	1	-	-	0	0	0
CORRACTS	1.250	0	0	0	0	0	0	0	0	0
ERNS	0.380	1	0	0	1	-	-	-	-	-
PADS	1.250	0	0	0	0	0	0	0	-	-
TRI	0.750	1	0	0	0	1	-	0	0	0
SSTS	1.250	0	0	0	0	0	0	0	0	0
DOCKET	1.250	8	0	4	0	0	4	0	0	0
TSCA	1.250	0	0	0	0	0	0	0	-	-

STATE DATABASES	Radius (miles)	Mappable Sites						Unmappable Sites		
		Total	Site	Area Vicinity**	within 0.38mi	0.38 - 0.75mi	0.75 - 1.25mi	Zip Code	City	County
SCL (HWS)	1.250	7	0	3	1	0	3	0	1	0
SWF	1.250	1	0	0	0	1	0	0	0	0
LUST	0.750	5	0	0	0	5	-	0	0	0
UST	0.380	0	0	0	0	-	-	0	-	-

MANUAL GEOCODING: ^

For this city/township,

1188

sites were manually plotted by EcoSearch.

* This database search and study radii meets or exceeds the ASTM (American Society of Testing and Materials) standards for a government records review.

** Area Vicinity indicates that Environmental Area Records were found near your study site. These records detail contamination or other environmental conditions in a wide area which cannot be placed to a single point or more precisely plotted. More research is necessary to determine the possible environmental impact of these Area Records to your study site.

^ Manual Geocoding: Plotting environmental site data using paper maps and phone calls to properly place the information on the map.

Accurate street addresses are required for records to be found at the study property.

Mappable Sites are environmental sites which were located and appear on the enclosed EcoSearch Map, Site Summary, and Detailed Data sections of the report. These sites are summarized based on proximity to the study site.

Unmappable Sites are governmental records with incomplete or inaccurate address information. These sites could not be located on the street map, but have been searched by the Zip Codes, Cities, and County specified in the search parameters. Further investigation of these sites and their relationship to your study site is necessary.

Site Summary

<u>Map ID#</u>	<u>Database / Agency ID#</u>	<u>Site Name, Address, and County</u>	<u>Distance/Direction</u>
1	RCRA Generator RCRA Transporter and Generator INR000006577	IDEM 21ST & HOBART HOBART, IN 46342 LAKE	0.17200 mi SSE Manually Geocoded*
2	ERNS Emergency Response Notification System 367957	15TH AVE/COLFAX AVE/ 21ST AVE GARY, IN 46406 LAKE	0.26683 mi ENE Manually Geocoded*
3	SCL (HWS) Indiana State Cleanup List Site 6951101	ROEHL TRANSPORT WEST 15TH STREET GARY, IN 46401 LAKE	0.36559 mi NNW Manually Geocoded*
4	CERCLA CERCLA Site (Delisted NFRAP Site) IND980500250	GARY CITY LDFL 15TH & COLFAX GARY, IN 46406 LAKE	0.42713 mi NE Manually Geocoded*
5A	LUST Indiana Leaking Underground Storage Tank 199604505	GARY SUBDISTRICT 7036 W 15TH AVE GARY, IN 46406-2212 LAKE	0.45816 mi NW Manually Geocoded*
5B	LUST Indiana Leaking Underground Storage Tank 199802508	GARY SUBDISTRICT 7036 W 15TH AVE GARY, IN 46406-2212 LAKE	0.45816 mi NW Manually Geocoded*
6A	SWF Indiana Solid Waste Facility 45-0013	WASTE MGMT OF NW IN RECYCLING FACILITY 7337 WEST 15TH AVENUE, PO BOX 250 IN LAKE	0.56676 mi WNW Manually Geocoded*
6B	LUST Indiana Leaking Underground Storage Tank 199811556	WASTE MANAGEMENT INC 7337 W 15TH AVE GARY, IN 46406-2263 LAKE	0.56676 mi WNW Manually Geocoded*
6C	LUST Indiana Leaking Underground Storage Tank 199310527	WASTE MANAGEMENT INC 7337 W 15TH AVE GARY, IN 46406-2263 LAKE	0.56676 mi WNW Manually Geocoded*
7	LUST Indiana Leaking Underground Storage Tank 199811544	COMPASS TRANSPORTATION INC 7336 W 15TH AVE GARY, IN 46406-2264 LAKE	0.58633 mi WNW Manually Geocoded*
8	TRI Toxic Release Inventory Site 46406BVNNC5700W	BIVONA INC. 5700 W 23RD AVE GARY, IN 46406-2617 LAKE	0.69024 mi ESE Manually Geocoded*
9	CERCLA CERCLA Site (Delisted NFRAP Site) IND984869958	TRIPLE J MOTORS SITE 7040 W 25TH AVE GARY, IN 46406-2937 LAKE	0.70948 mi SSW Manually Geocoded*
10	CERCLA CERCLA Site (Delisted NFRAP Site) IND016336315	GENERAL DRAINAGE 7501 W 15TH AVE & CLINE GARY, IN 46406 LAKE	0.82963 mi WNW Manually Geocoded*
11	CERCLA CERCLA Site (Delisted NFRAP Site) IND980500490	NORTHWEST INDUSTRIES SITE #88 I-94 & COLFAX AVE GARY, IN 46406 LAKE	0.92030 mi SSE Manually Geocoded*

Site Summary

<u>Map ID#</u>	<u>Database / Agency ID#</u>	<u>Site Name, Address, and County</u>	<u>Distance/Direction</u>	
12	CERCLA CERCLA Site (Delisted NFRAP Site) IND005190905	BLACK BEAUTY PRODUCTS SITE 7100 W 9TH AVE GARY, IN 46406-1924 LAKE	0.95101 NW	mi
13A	CERCLA CERCLA Site IND984895243	BLACK OAKS DUMP 21ST AND MOUNT STREET GARY, IN 46406 LAKE	1.04875 E	mi
			Manually Geocoded*	
13B	SCL (HWS) Indiana State Cleanup List Site 0000057	BLACK OAK DRUMS (GARY DRUMS) GARY, IN 46407 LAKE	1.04875 E	mi
			Manually Geocoded*	
14A	SCL (HWS) Indiana State Cleanup List Site 7100015	H & H ENTERPRISES, INC. 7540 W 9TH AVE GARY, IN 46406-1953 LAKE	1.08026 NW	mi
14B	CERCLA CERCLA Site IND985068329	H & H ENTERPRISE 7540 W 9TH AVE GARY, IN 46406-1953 LAKE	1.08026 NW	mi
14C	DOCKET Civil Enforcement Docket 05-93-0541A	H & H ENTERPRISES GORDON HEAD CLINE ST & 9TH AVE GARY, IN 46405	1.08026 NW	mi
			Manually Geocoded*	
14D	DOCKET Civil Enforcement Docket 05-93-0541A	GORDON HEAD & WILLIAM SPANGLER 7540 W 9TH AVE GARY, IN 46406-1953 LAKE	1.08026 NW	mi
14E	DOCKET Civil Enforcement Docket 05-94-0004A	H AND H RECYCLING 7540 W 9TH AVE GARY, IN 46406-1953 LAKE	1.08026 NW	mi
14F	DOCKET Civil Enforcement Docket 05-94-0004A	H & H ENTERPRISES 7540 W 9TH AVE GARY, IN 46406-1953 LAKE	1.08026 NW	mi
14G	SCL (HWS) Indiana State Cleanup List Site 3951001	H & H ENTERPRISES NRD GAY, IN LAKE395	1.08026 NW	mi
			Manually Geocoded*	
15	CERCLA CERCLA Site (Delisted NFRAP Site) IND980500540	SITE #10 CLINE & INDIANA TOLL ROAD GARY, IN 46406 LAKE	1.16140 SW	mi
			Manually Geocoded*	
16A	SCL (HWS) Indiana State Cleanup List Site 7500023	MIDCO I # 5900 INDUSTRIAL HWY GARY, IN 46406-1022 LAKE	0.65500 WNW	mi
			Area Manually Plotted***	
16B	NPL National Priorities List Site IND980615421	MIDCO I 7400 W 15TH AVE GARY, IN 46406-2254 LAKE	0.65500 WNW	mi
			Area Manually Plotted***	
16C	DDCKET Civil Enforcement Docket 05-79-0075C	MIDCO I 7400 W 15TH AVE GARY, IN 46406-2254 LAKE	0.65500 WNW	mi
			Area Manually Plotted***	

Site Summary

<u>Map ID#</u>	<u>Database / Agency ID#</u>	<u>Site Name, Address, and County</u>	<u>Distance/Direction</u>
16D	DOCKET Civil Enforcement Docket 05-91-0125C	MIDCO I 7400 W 15TH AVE GARY, IN 46406-2254 LAKE	0.65500 mi WNW Area Manually Plotted***
16E	SCL (HWS) Indiana State Cleanup List Site 7500022	MIDCO I # 7400 W 15TH AVE GARY, IN 46406-2254 LAKE	0.65500 mi WNW Area Manually Plotted***
17A	NPL National Priorities List Site IND980794432	NINTH AVENUE DUMP 7357 W 9TH AVE GARY, IN 46406-1957 LAKE	0.71500 mi NW Area Manually Plotted***
17B	DOCKET Civil Enforcement Docket 05-89-0078C	NINTH AVE DUMP 7357 W 9TH AVE GARY, IN 46406-1957 LAKE	0.71500 mi NW Area Manually Plotted***
17C	DOCKET Civil Enforcement Docket 05-80-0048C	NINTH AVE DUMP 7357 W 9TH AVE GARY, IN 46406-1957 LAKE	0.71500 mi NW Area Manually Plotted***
17D	CERCLA CERCLA Site (Delisted NFRAP Site) IND980679849	NINETH AVENUE DUMP/RED TOP 9TH AVE & CLINE AVE GARY, IN 46402 LAKE	0.71500 mi NW Area Manually Plotted***
17E	SCL (HWS) Indiana State Cleanup List Site 7500079	NINTHE AVENUE DUMP 7537 W 9TH AVE GARY, IN 46406-1954 LAKE	0.71500 mi NW Area Manually Plotted***

* -- Manually Geocoded: Site plotted or corrected using paper maps, phone calls, and other resources to properly place the site on the map.

** -- Agency Provided Lat/Long: Site plotted using the latitude and longitude given by the federal or state government agency.

*** -- Area Manually Plotted: Area manually drawn using digital and paper maps.

Detailed Data

The following pages contain the detailed data concerning the sites plotted on the map and included in the site summary.

Please Note: Pages are not included for databases not found within the search radii.

These pages are arranged as follows:

NPL Data

CERCLA Data

Delisted CERCLA Data

RCRA TSD and Generators Data

ERNS Data

TRI Data

DOCKET Data

Indiana SCL Data

Indiana SWF Data

Indiana LUST Data

NPL Data

National Priorities List Sites

Map ID#:	16B	Distance (mi):	0.655000	Facility Name:	MIDCO I
EPA ID#:	IND980615421	Direction:	WNW	Address:	7400 W 15TH AVE
CERCLIS Site ID#:	0501761			City, State, Zip:	GARY, IN 46401
				County:	LAKE
Federal Facility Indicator:	Not a Federal Facility	NPL Proposal Date:	12/30/82		
Ownership Indicator:	Other	NPL Final Date:	09/08/83		
Hydro Unit:	040400001				
Site Incident Category:	Industrial Waste Treatment				
Comments:	THIS SITE OPERATED AS A FORMER SOLVENT RECYCLING OPERATION. SURFACE CLEAN-UP WAS DONE AS PLANNED REMOVAL BY USEPA. SOIL AND GROUNDWATER CONTAMINATION REMAIN. THIS SITE OPERATED AS A FORMER SOLVENT RECYCLING OPERATION. SURFACE CLEAN-UP WAS DONE AS PLANNED REMOVAL BY USEPA. SOIL AND GROUNDWATER CONTAMINATION REMAIN.				
NPL Status:	Currently on the Final NPL				
RCRIS Facility Indicator:	Not Reported				
<u>Event</u>	<u>Date Started</u>	<u>Date Completed</u>			
RD/RA NEGDTIATIONS	1989-05-09	1990-06-11			
RD/RA NEGOTIATIONS	1991-01-15	1992-06-23			
PRP RI/FS	1985-06-19	1989-06-30			
PRP RD	1989-10-02	1990-11-21			
PRP RD	1992-06-23	1994-06-24			
PRP RA	1993-07-22	1998-08-13			
CONSENT DECREE	Not Reported	1985-08-01			
CONSENT DECREE	1992-01-10	1992-06-23			
CONSENT DECREE	1992-04-02	1992-06-23			
SECTION 106 107 LITIGATION	1983-01-25	1985-06-19			
COMBINED RI/FS	1983-09-23	1985-06-19			
COMMUNITY INVOLVEMENT	1999-12-22	1999-12-22			
DISCOVERY	Not Reported	1975-01-01			
FIVE YEAR REMEDY ASSESSMENT	1998-07-09	1998-10-29			
RI/FS NEGOTIATIONS	1983-11-15	1985-05-15			
HRS PACKAGE	Not Reported	1982-08-01			
ROD Amendment	Not Reported	1992-04-13			
Lodged By DOJ	Not Reported	1985-08-01			
Lodged By DOJ	Not Reported	1992-01-31			
Lodged By DOJ	Not Reported	1992-04-14			
FF REMOVAL	1981-06-01	1981-06-30			
FINAL LISTING ON NPL	Not Reported	1983-09-08			
PROPOSAL TD NPL	Not Reported	1982-12-30			
NPL RP SEARCH	Not Reported	1984-09-30			
PRELIMINARY ASSESSMENT	Not Reported	1983-03-01			
RECORD OF DECISION	Not Reported	1989-06-30			
REMOVAL ASSESSMENT	1990-06-14	1990-06-15			
REMOVAL ASSESSMENT	1991-08-06	1991-08-08			
REMOVAL ASSESSMENT	1993-09-27	1993-09-27			
REMOVAL	1982-02-25	1982-07-07			
SITE INSPECTION	Not Reported	1982-08-01			
SECTION 107 LITIGATION	Not Reported	1995-06-01			
TREATABILITY STUDY	1990-03-28	1997-09-30			
UNILATERAL ADMIN ORDER	Not Reported	1989-11-15			

NPL FACT SHEET INFORMATION:

Description: The Midwest Solvent Recovery Company (MIDCO) I site is a 4-acre, abandoned industrial waste recycling, storage, and disposal facility located in Gary. Recycling, storing, and disposing of industrial wastes began at the site some time before 1973. In 1973, approximately 6,000 to 7,000 drums were observed on the site. Later, four bulk tanks, each with a capacity of 4,000 to 10,000 gallons, were found on the site. In 1976, a fire burned approximately 14,000 drums of chemical waste. Operations resumed in 1977 under new management but, by 1979, the facility was abandoned, leaving an estimated 14,000 drums stockpiled on site. In 1981, severe flooding caused water in the area to drain into a neighboring city to the west; contact with the flood water reportedly resulted in skin burns. Following a fire in 1976, MIDCO I moved to a new location, known as MIDCO II, which also is on the NPL. Residential neighborhoods are near the site, with one resident living as close as 900 feet from the site. Twelve drinking water wells have been identified in the Calumet Aquifer, located within approximately 1 mile from the site, in the downgradient groundwater flow direction. The Calumet Aquifer is highly susceptible to contamination from surface sources. The area surrounding the site is mixed light industrial, commercial, and residential, and contains wetlands.

NPL Data

National Priorities List Sites

Site Responsibility:	This site is being addressed through Federal and potentially responsible parties' actions.
Threats & Contaminants:	Groundwater contains volatile organic compounds (VOCs) including trichloroethylene (TCE), vinyl chloride, benzene, methylene chloride; semi-volatile compounds; metals; and cyanide. Sediments and soils are contaminated with VOCs, semi-volatiles, polychlorinated biphenyls (PCBs), metals, cyanide, and chlordane, which is a pesticide. VOCs, chromium, lead, cadmium, and cyanide were detected in surface waters northeast of the site. Contaminants in the soil are leaching into the groundwater. This contaminated groundwater is migrating off site and may affect downgradient drinking water wells. Direct contact with or accidental ingestion of contaminated groundwater, surface water, sediments, or soil may be a threat. The contamination also may be adversely affecting wildlife and plants in or around the wetlands. High levels of sodium chloride in the groundwater make it unacceptable for a surface water discharge, even if treated to remove the hazardous substances."
Cleanup Approach:	The site is being addressed in two stages: immediate actions and a long-term remedial phase focusing on cleanup of the entire site.
Immediate Resp:	A security fence was installed around the site in 1981. In 1982, to address the immediate threats to the public, the EPA removed extensive surface wastes, an underground tank, drums, and the top 1 foot of contaminated soil. Much of the site was then covered with a temporary clay cover.
Entire Site Resp:	To address the contaminated subsurface soil, sediment, and groundwater, the EPA selected the following cleanup actions in 1989: treatment of approximately 12,400 cubic yards of contaminated soil and subsurface materials using a combination of soil vapor extraction and solidification/stabilization, followed by on-site disposal; excavation and on-site solidification/stabilization of approximately 1,200 cubic yards of contaminated sediment from surrounding wetlands; installation of a final site cover; installation and operation of a treatment system to remove hazardous substances from the contaminated groundwater, followed by deep well injection of the salt-contaminated water, or installation and operation of a treatment system, followed by reinjection of the salt-contaminated groundwater into the Calumet Aquifer in a manner that will prevent spreading of the salt plume; groundwater monitoring; and implementation of deed and access restrictions. In 1992, the EPA approved an amendment to the selected remedies. The amendment proposed a change in the method for determining how much soil will be treated. As a result of the amendment, it is estimated that 7,800 cubic yards of soil will be treated. The amendment also further defined the criteria for treatment prior to deep well injection, the performance criteria for soil treatment, and other requirements. A group of potentially responsible parties have agreed to implement the final remedy. Sediment excavation and installation of the deep wells was conducted during the summer and fall of 1993. The construction of the groundwater extraction, treatment and deep well injection system began during the summer of 1994, and is expected to be completed in 1996.
Site Facts:	In June 1985, a group of potentially responsible parties agreed to reimburse the EPA for past cleanup action costs and to perform the site investigation under a Consent Decree, which became effective in mid-1985. The EPA issued an Administrative Order in 1989, instructing the potentially responsible parties to conduct the remaining site cleanup, after the potentially responsible parties did not agree to implement the final remedy without conditions that were unacceptable to the EPA. Subsequently, the EPA reached a global settlement with the potentially responsible parties requiring them to implement the final remedy and pay for past cleanup activities. The Consent Decree for this settlement was entered in court on June 23, 1992.
Environmental Progress:	The removal of the contaminated materials and soils from the site, the installation of a fence and a temporary cover, and the completion of further cleanup activities described above have reduced the threat of exposure to hazardous materials while final cleanup actions for the MIDCO I site are underway.
Site Repository:	Gary Public Library, 220 West 5th Avenue, Gary, IN 46402
Information from the fact sheets is provided where available. If information is not available, the fact sheet fields will appear blank.	

Alias Information for Site ID 0501761

Alias ID	Alias Name	Description(when available)	Alias Address	Alias City
201.00	MIDWEST SOLVENTS REC			
301.00	MIDCO I SITE			LAKE
1,731.00	MIDCO I SITE			
1,732.00	MIDCO I SITE			

NPL Data

National Priorities List Sites

Map ID#:	17A	Distance (mi):	0.715000	Facility Name:	NINTH AVENUE DUMP
EPA ID#:	IND980794432	Direction:	NW	Address:	7357 W NINTH AVE
CERCLIS Site ID#:	0501816			City, State, Zip:	GARY, IN 46402
				County:	LAKE
Federal Facility Indicator:	Not a Federal Facility	NPL Proposal Date:	12/30/82		
Ownership Indicator:	Other	NPL Final Date:	09/08/83		
Hydro Unit:	040400001				
Site Incident Category:	Industrial Waste Treatment				
Comments:	COVERS 20 ACRES, ESTIMATED 10,000 BARRELS ON SITE IN 1975 AND 500,000 GALLONS OF LIQUID INDUSTRIAL WASTES DUMPED AND 1,000 BARRELS BURIED. WHEN CLOSED IN 1980 OVER 400 DRUMS AND SIX OLD TANK TRUCKS ON SITE. COVERS 20 ACRES, ESTIMATED 10,000 BARRELS ON SITE IN 1975 AND 500,000 GALLONS OF LIQUID INDUSTRIAL WASTES DUMPED AND 1,000 BARRELS BURIED. WHEN CLOSED IN 1980 OVER 400 DRUMS AND SIX OLD TANK TRUCKS ON SITE.				
NPL Status:	Currently on the Final NPL				
RCRIS Facility Indicator:	Not Reported				
Event		Date Started	Date Completed		
ADMIN ORDER ON CONSENT		Not Reported	1991-01-30		
ADMIN ORDER ON CONSENT		Not Reported	1996-03-05		
RD/RA NEGOTIATIONS		1988-07-08	1988-12-07		
RD/RA NEGOTIATIONS		1989-03-17	1989-08-17		
PRP REMOVAL		1982-01-06	1985-01-06		
PRP RD		1989-09-20	1995-04-05		
PRP RD		1989-01-13	1990-12-11		
PRP RD		1989-01-13	1991-07-16		
PRP RA		1990-12-11	1993-07-12		
PRP RA		1991-07-16	1993-07-12		
COMBINED RI/FS		1988-08-23	1989-06-30		
COMBINED RI/FS		1985-08-15	1988-09-20		
COMMUNITY INVOLVEMENT		1985-09-30	1993-07-12		
DISCOVERY		Not Reported	1975-01-01		
Explanation Of Significant Differences		Not Reported	1991-10-01		
REGIONAL ATTORNEY ASSIGNED		Not Reported	1992-06-23		
HRS PACKAGE		Not Reported	1982-08-01		
ROD Amendment		Not Reported	1994-09-13		
MANAGEMENT ASSISTANCE		1986-03-31	1993-07-12		
FINAL LISTING ON NPL		Not Reported	1983-09-08		
PROPOSAL TO NPL		Not Reported	1982-12-30		
NPL RP SEARCH		Not Reported	1984-09-30		
PRELIMINARY ASSESSMENT		Not Reported	1983-02-01		
RECORD OF DECISION		Not Reported	1988-09-20		
RECORD OF DECISION		Not Reported	1989-06-30		
REMOVAL ASSESSMENT		1990-08-09	1990-08-14		
REMOVAL ASSESSMENT		1992-08-21	1992-08-21		
REMOVAL		1987-09-14	1987-10-14		
SITE INSPECTION		1982-09-01	1982-09-01		
SECTION 106 LITIGATION		1983-09-30	1985-03-22		
UNILATERAL ADMIN ORDER		Not Reported	1988-12-07		
UNILATERAL ADMIN ORDER		Not Reported	1989-08-17		
UNILATERAL ADMIN ORDER		Not Reported	1994-12-27		

NPL FACT SHEET INFORMATION:

NPL Data

National Priorities List Sites

Description:	Ninth Avenue Dump is an inactive chemical and industrial waste disposal site located in Gary, Indiana. It is an approximately 17-acre parcel located in a mixed industrial, commercial, and residential area, that is low-lying and poorly drained. Waste disposal occurred at the site from the early to mid-1970s. The site operator accepted dry industrial, construction, and demolition wastes, such as ashes, broken concrete, bricks, trees, wood, tires, cardboard, paper, and car batteries. The site also received liquid industrial wastes, including oil, paint solvents, sludges, resins, acids, and other chemical wastes. In 1975, the Indiana State Board of Health (ISBH) inspected the site, documented the existence of drums on the surface, and found evidence that liquid wastes had been dumped at the site. Some filling, believed to have been associated with cleanup activities, occurred between 1975 and 1980. Around this time, the operator removed drums, tank cars, and some contaminated soils from the site. In early 1985, the EPA took over site studies from the site operator. The Ninth Avenue Dump site lies a few hundred feet north of the MIDCO INPL site and is north of an Indiana Department of Highways maintenance facility that formerly housed an outdoor salt storage pile. It is located across the street from the H & H Enterprises site where a large fire occurred in 1993. There is a residential area located on the other side of Cline Avenue approximately 1/8 mile to the west.
Site Responsibility:	This site is being addressed through Federal and potentially responsible parties' actions.
Threats & Contaminants:	Groundwater is contaminated with volatile organic compounds (VOCs) including benzene, toluene, and xylenes; polycyclic aromatic hydrocarbons (PAHs); and heavy metals including nickel and silver. On-site groundwater contains a hydrocarbon layer containing polychlorinated biphenyls (PCBs), pesticides, VOCs, and PAHs. PAHs, toluene, cadmium, and lead were detected in off-site surface soil. On-site sediment samples contained PAHs and PCBs. Accidental ingestion of contaminated groundwater, surface water, soil, or sediments may present health risks. The site is adjacent to several ponds and a wetland area. Currently, the site is fenced.
Cleanup Approach:	The site is being addressed in two stages: cleanup of the oil phase and cleanup of the soil and groundwater.
Immediate Resp:	
Entire Site Resp:	
Site Facts:	In 1975 and 1980, the site operator was ordered by ISBH and the EPA, respectively, to initiate surface cleanups. In 1983, a Partial Consent Judgement was signed by the EPA and the site operator requiring the operator to evaluate surface and subsurface conditions and submit a plan for cleanup. The selected remedies are being performed by a group of potentially responsible parties as the result of three Unilateral Administrative Orders issued in December 1988, August 1989, and December 1994.
Environmental Progress:	All construction at the site is complete. By removing the most heavily contaminated materials, fencing in the site, and isolating the hazardous materials with a slurry wall and cap, the potential for exposure to hazardous materials on the Ninth Avenue Dump site has been reduced, while final cleanup activities are continuing.
Site Repository:	Gary Public Library, 220 West 5th Avenue, Gary, IN 46402
Information from the fact sheets is provided where available. If information is not available, the fact sheet fields will appear blank.	

Alias Information for Site ID 0501816

Alias ID	Alias Name	Description(when available)	Alias Address	Alias City
201.00	NINTH AVENUE DUMP			LAKE

CERCLA Data

Comprehensive Environmental Response, Composition, and Liability Act Sites

Map ID#: **13A** Distance (mi): **1.048745**
 Direction: **E** Facility Name: **BLACK OAKS DUMP**
 EPA ID#: **IND984895243** Address: **21ST AND MOUNT STREET**
 CERCLIS Site ID#: **0506488** City, State, Zip: **GARY, IN 46406**
 Status: This site is currently under investigation by the federal government
 to assess the extent of further action. County: **LAKE**

Federal Facility Indicator: Not a Federal Facility NPL Status: Not on the NPL
 Ownership Indicator: Unknown RCRIS Facility Indicator: Not Reported
 Hydro Unit: 04040001
 Site Incident Category: Not Reported

Comments: Not Reported

Event	Date Started	Date Completed
DISCOVERY	Not Reported	1991-04-04
INTEGRATED ASSESSMENT	1994-07-12	1994-09-30
PRELIMINARY ASSESSMENT	Not Reported	1994-09-30
REMOVAL	1991-04-08	1991-09-19
UNILATERAL ADMIN ORDER	Not Reported	1991-07-05

Alias Information: (If alias information is blank, no information was reported)

Alias ID	Alias Name	Description(when available)	Alias Address	Alias City
101.00	ROSE'S GARDEN			

Map ID#: **14B** Distance (mi): **1.080263**
 Direction: **NW** Facility Name: **H & H ENTERPRISE**
 EPA ID#: **IND985068329** Address: **7540 W. 9TH AVE.**
 CERCLIS Site ID#: **0507085** City, State, Zip: **GARY, IN 46406**
 Status: This site is currently under investigation by the federal government
 to assess the extent of further action. County: **LAKE**

Federal Facility Indicator: Not a Federal Facility NPL Status: Not on the NPL
 Ownership Indicator: Unknown RCRIS Facility Indicator: Not Reported
 Hydro Unit: 04040001
 Site Incident Category: Not Reported

Comments: PCB IN SMOKE, LEAD CONTAMINATION ALSO FOUND IN THE SMOKE OF A GARY FIRE. OSC WILL DO SOME
 FENCING AND MOVE SOME MATERIAL AND POSSIBLY PROVIDE SECURITY.

Event	Date Started	Date Completed
ADMIN ORDER ON CONSENT	Not Reported	1994-12-21
ADMIN ORDER ON CONSENT	Not Reported	1996-02-02
CONSENT DECREE	1998-05-27	1999-01-26
CONSENT DECREE	Not Reported	1999-01-26
DISCOVERY	Not Reported	1993-02-11
INTEGRATED ASSESSMENT	1996-02-09	1996-02-09
Lodged By DOJ	Not Reported	1998-10-21
Lodged By DOJ	Not Reported	1998-10-21
PRELIMINARY ASSESSMENT	Not Reported	1996-02-09
REMOVAL NEGOTIATIONS	1994-02-18	1994-12-21
REMOVAL	1993-02-19	1995-02-17

Alias Information: (If alias information is blank, no information was reported)

Alias ID	Alias Name	Description(when available)	Alias Address	Alias City
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CERCLA Archive Data

Delisted Comprehensive Environmental Response, Compensation, and Liability Act Sites (Archive Sites)

Map ID#: 4 Distance (mi): 0.427127
Direction: NE
Facility Name: GARY CITY LDFL
Address: 15TH & COLFAX
City, State, Zip: GARY, IN 46406
County: LAKE
EPA ID#: IND980500250
CERCLIS Site ID#: 0501593
Status: This site has been delisted from CERCLIS
No Further Remedial Action Planned
Federal Facility Indicator: Not a Federal Facility
Ownership Indicator: Other
Hydro Unit: 04040001
Site Incident Category: Not Reported
Comments: Not Reported
NPL Status: Not on the NPL
RCRIS Facility Indicator: Not Reported

Event	Date Started	Date Completed
DISCOVERY	Not Reported	1979-04-01
PRELIMINARY ASSESSMENT	Not Reported	1984-04-01
SITE INSPECTION	Not Reported	1984-12-01

Map ID#: 9 Distance (mi): 0.709479
Direction: SSW
Facility Name: TRIPLE J MOTORS SITE
Address: 7040 WEST 25TH AVENUE
City, State, Zip: GARY, IN 46406
County: LAKE
EPA ID#: IND984869958
CERCLIS Site ID#: 0506192
Status: This site has been delisted from CERCLIS
No Further Remedial Action Planned
Federal Facility Indicator: Not a Federal Facility
Ownership Indicator: Private
Hydro Unit: 04040001
Site Incident Category: Other
Comments: 109 ABANDONED LEAKING DENTED & DETERIORATING FIVE GALLON CANS OF PAINT AND PAINT SUPPLIES.
NPL Status: Not on the NPL
RCRIS Facility Indicator: Not Reported

Event	Date Started	Date Completed
DISCOVERY	Not Reported	1989-08-24
INTEGRATED ASSESSMENT	1996-02-09	1996-02-09
PRELIMINARY ASSESSMENT	Not Reported	1996-02-09
REMOVAL	1989-09-14	1989-12-06
UNILATERAL ADMIN ORDER	Not Reported	1989-08-25

Map ID#: 10 Distance (mi): 0.829629
Direction: WNW
Facility Name: GENERAL DRAINAGE
Address: 7501 W 15TH AVE & CLINE
City, State, Zip: GARY, IN 46406
County: LAKE
EPA ID#: IND016336315
CERCLIS Site ID#: 0501371
Status: This site has been delisted from CERCLIS
No Further Remedial Action Planned
Federal Facility Indicator: Not a Federal Facility
Ownership Indicator: Other
Hydro Unit: 04040001
Site Incident Category: Not Reported
Comments: Not Reported
NPL Status: Not on the NPL
RCRIS Facility Indicator: Not Reported

Event	Date Started	Date Completed
DISCOVERY	Not Reported	1986-01-09
PRELIMINARY ASSESSMENT	Not Reported	1986-06-23
SITE INSPECTION	Not Reported	1989-03-24

CERCLA Archive Data

Delisted Comprehensive Environmental Response, Compensation, and Liability Act Sites (Archive Sites)

Map ID#:	11	Distance (mi):	0.920302	Facility Name:	NORTHWEST INDUSTRIES SITE #88
EPA ID#:	IND980500490	Direction:	SSE	Address:	I-94 & COLFAX AVE
CERCLIS Site ID#:	0501608			City, State, Zip:	GARY, IN 46406
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned			County:	LAKE
Federal Facility Indicator:	Not a Federal Facility	Hydro Unit:	04040001	Site Incident Category:	Not Reported
Ownership Indicator:	Other				
Comments:	Not Reported				
NPL Status:	Not on the NPL				
RCRIS Facility Indicator:	Not Reported				
Event				Date Started	Date Completed
DISCOVERY				Not Reported	1980-08-01
PRELIMINARY ASSESSMENT				Not Reported	1986-06-23
PRELIMINARY ASSESSMENT				Not Reported	1990-02-07

Map ID#:	12	Distance (mi):	0.951013	Facility Name:	BLACK BEAUTY PRODUCTS SITE
EPA ID#:	IND005190905	Direction:	NW	Address:	7100 W 9TH AVE
CERCLIS Site ID#:	0501260			City, State, Zip:	GARY, IN 46402
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned			County:	LAKE
Federal Facility Indicator:	Not a Federal Facility	Hydro Unit:	04040001	Site Incident Category:	Not Reported
Ownership Indicator:	Other				
Comments:	Not Reported				
NPL Status:	Not on the NPL				
RCRIS Facility Indicator:	Not Reported				
Event				Date Started	Date Completed
DISCOVERY				Not Reported	1987-07-02
PRELIMINARY ASSESSMENT				Not Reported	1987-07-02
PRELIMINARY ASSESSMENT				Not Reported	1992-04-20

Map ID#:	15	Distance (mi):	1.161404	Facility Name:	SITE #10
EPA ID#:	IND980500540	Direction:	SW	Address:	CLINE & INDIANA TOLL ROAD
CERCLIS Site ID#:	0501613			City, State, Zip:	GARY, IN 46406
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned			County:	LAKE
Federal Facility Indicator:	Not a Federal Facility	Hydro Unit:	04040001	Site Incident Category:	Not Reported
Ownership Indicator:	Other				
Comments:	Not Reported				
NPL Status:	Not on the NPL				
RCRIS Facility Indicator:	Not Reported				
Event				Date Started	Date Completed
DISCOVERY				Not Reported	1980-07-01
PRELIMINARY ASSESSMENT				Not Reported	1984-02-01
SITE INSPECTION				Not Reported	1984-10-01

Map ID#:	17D	Distance (mi):	0.715000	Facility Name:	NINETH AVENUE DUMP/RED TOP
EPA ID#:	IND980679849	Direction:	NW	Address:	9TH AVE & CLINE AVE
CERCLIS Site ID#:	0501801			City, State, Zip:	GARY, IN 46402
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned			County:	LAKE
Federal Facility Indicator:	Not a Federal Facility	Hydro Unit:	04040001	Site Incident Category:	Not Reported
Ownership Indicator:	Other				
Comments:	Not Reported				
NPL Status:	Not on the NPL				
RCRIS Facility Indicator:	Not Reported				
Event				Date Started	Date Completed
DISCOVERY				Not Reported	1981-07-01
HRS PACKAGE				Not Reported	1982-08-01
PRELIMINARY ASSESSMENT				Not Reported	1987-12-03
SITE INSPECTION				Not Reported	1982-08-01

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#:	1	Distance (mi):	0.171996	Name:	IDEM		
EPA ID#:	INR000006577	Direction:	SSE	Address:	21ST & HOBART		
Status:	Transporter	Conditionally Exempt Small Quantity Generator		City, State, Zip:	HOBART	IN	46342
Land Type:	Unknown			SIC Code:			
				Contact Name:	RUSS GREATORREX		
				Contact Phone:	317-308-3047		

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

ERNS Data

Emergency Response Notification System Data

Map ID#:	2	Distance (mi):	0.266828							
		Direction:	ENE							
ID #:	367957	Location:	15TH AVE/COLFAX AVE/ 21ST AVE							
		City, State, Zip:	GARY, IN 46406							
Time Released:	4/18/94	12:00	Deaths:	0	Injuries:	0	Evacuations:	0	Property Damage:	0.00
Medium Affected:	Water									
Name of Affected Medium:	LITTLE CALUMET RIVER									
Cause of Release:	Not Reported					<u>Discharger Information (if reported):</u>				
Additional Cause:	Not Reported					WASTE MANAGEMENT WMX TECH				
Source:	Not Reported					2 WESTBROOK CORPORATE CENTER SUITE 1000 POB 7070				
Transportation Mode:	Fixed Facility					WESTCHESTER IL 60154				
Release Description:	PIT/MATERIALS ARE PUMPED FM PIT INTO DITCHES WHICH LEAD TO A RIVER RP DUMPS WITHOUT PERMITS									
Action Description:	NONE									
Misc. Information:	CALLER STATES THAT A DITCH DN SHERMAN STREET THAT IS FULL OF OIL CAUSED BY A SEEPAGE BY RP/CALLER STATES THAT IDEM HAS BEEN OF NO HELP									
<u>Material(s) Spilled:</u>	<u>Quantity</u>	<u>Units</u>	<u>Quan in Water</u>	<u>Units in Water</u>	<u>Pounds</u>					
UNKNOWN MATERIAL		UNK		UNK						

TRI Data

Toxic Release Inventory Data

Map ID#:	8	Distance:	0.690241		Name:	BIVONA INC.	
		Direction:	ESE		Address:	5700 W. 23RD AVE.	
Agency ID:	46406BVNNC5700W				City, State, Zip:	GARY, IN 46406	
EPA ID#:	NA						
SIC Code:	3842						
<hr/>							
Submission Year:	1987	Substance:	1,1,1-TRICHLOROETHANE				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
			<u>Amount Released or Transported (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
0.00	0.00	0.00	250.00	0.00	250.00	500.00	
<hr/>							
Submission Year:	1988	Substance:	1,1,1-TRICHLOROETHANE				
		Maximum Amount On Site (lbs):	1,000 TO 9,999				
			<u>Amount Released or Transported (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
250.00	0.00	0.00	0.00	0.00	2.00	252.00	
<hr/>							
Submission Year:	1989	Substance:	1,1,1-TRICHLOROETHANE				
		Maximum Amount On Site (lbs):	1,000 TO 9,999				
			<u>Amount Released or Transported (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
250.00	0.00	0.00	0.00	0.00	8.00	258.00	
<hr/>							
Submission Year:	1990	Substance:	1,1,1-TRICHLOROETHANE				
		Maximum Amount On Site (lbs):	1,000 TO 9,999				
			<u>Amount Released or Transported (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
60,000.00	0.00	0.00	0.00	0.00	1,500.00	61,500.00	
<hr/>							
Submission Year:	1991	Substance:	1,1,1-TRICHLOROETHANE				
		Maximum Amount On Site (lbs):	1,000 TO 9,999				
			<u>Amount Released or Transported (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
31,000.00	0.00	0.00	0.00	0.00	12,000.00	43,000.00	
<hr/>							
Submission Year:	1992	Substance:	1,1,1-TRICHLOROETHANE				
		Maximum Amount On Site (lbs):	1,000 TO 9,999				
			<u>Amount Released or Transported (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
18,600.00	0.00	0.00	0.00	0.00	7,200.00	25,800.00	

DOCKET Data

Civil Enforcement Docket

Map ID#: **14C** Distance (mi): **1.080263**
Direction: **NW** Date Filed: **08/31/93**
Docket Number: **05-93-0541A** Case Name: **GORDON HEAD & WILLIAM SPANGLER** Date Concluded: **01/29/97**
Federal Penalty Assessed:
Cost Recovery Charged: Case Result:

Law Reported Violated Section Violation Type Pollutant Type
Toxic Substances Control Act 6E Failure to notify
Storage

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND985068329 / H & H ENTERPRISES GORDON HEAD / CLINE ST & 9TH AVE / GARY, IN 46405
IND985068329 / GORDON HEAD & WILLIAM SPANGLER / 7540 W 9TH AVE / GARY, IN 46406

Subject Defendant(s)

GORDON HEAD
WILLIAM SPANGLER

Map ID#: **14D** Distance (mi): **1.080263**
Direction: **NW** Date Filed: **08/31/93**
Docket Number: **05-93-0541A** Case Name: **GORDON HEAD & WILLIAM SPANGLER** Date Concluded: **01/29/97**
Federal Penalty Assessed:
Cost Recovery Charged: Case Result:

Law Reported Violated Section Violation Type Pollutant Type
Toxic Substances Control Act 6E Failure to notify
Storage

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND985068329 / H & H ENTERPRISES GORDON HEAD / CLINE ST & 9TH AVE / GARY, IN 46405
IND985068329 / GORDON HEAD & WILLIAM SPANGLER / 7540 W 9TH AVE / GARY, IN 46406

Subject Defendant(s)

GORDON HEAD
WILLIAM SPANGLER

Map ID#: **14E** Distance (mi): **1.080263**
Direction: **NW** Date Filed: **12/21/94**
Docket Number: **05-94-0004A** Case Name: **H & H ENTERPRISES SITE (PHASE** Date Concluded: **12/21/94**
Federal Penalty Assessed:
Cost Recovery Charged: **\$50,000** Case Result:

Law Reported Violated Section Violation Type Pollutant Type
CERCLA (Superfund) 106

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND985068329 / H AND H RECYCLING / 7540 W 9TH AVE / GARY, IN 46406
IND985068329 / H & H ENTERPRISES / 7540 WEST 9TH AVE / GARY, IN 46405

Subject Defendant(s)

COZZI IRON & METALS
MIDWEST METALLICS, L.P.

Map ID#: **14F** Distance (mi): **1.080263**
Direction: **NW** Date Filed: **12/21/94**
Docket Number: **05-94-0004A** Case Name: **H & H ENTERPRISES SITE (PHASE** Date Concluded: **12/21/94**

DOCKET Data

Civil Enforcement Docket

Federal Penalty Assessed:

Cost Recovery Charged:

\$50,000

Case Result:

Law Reported Violated

CERCLA (Superfund)

Section

106

Violation Type

Pollutant Type

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND985068329 / H AND H RECYCLING / 7540 W 9TH AVE / GARY, IN 46406

IND985068329 / H & H ENTERPRISES / 7540 WEST 9TH AVE / GARY, IN 46405

Subject Defendant(s)

CDZZI IRON & METALS

MIDWEST METALLICS, L.P.

Map ID#: 16C

Distance (mi):

0.655000

Direction:

WNW

Docket Number:

05-79-0075C

Case Name:

MIDWEST SOLVENT RCVRY (MIDCO I

Date Filed:

11/16/79

Federal Penalty Assessed:

\$0

Cost Recovery Charged:

\$0

Case Result:

Date Concluded:

Law Reported Violated

CERCLA (Superfund)

CERCLA (Superfund)

Section

106

107

Violation Type

Container

Pollutant Type

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND980615421 / MIDCD I / 7400 W 15TH AVE / GARY, IN 46406

Subject Defendant(s)

AMERICAN CAN CO, INC

BLOOMBERG, LUTHER G.

CONLEY, EDWARD D.

CONLEY, HELGA C.

DAWSON, ROBERT J., JR.

DEFENDANTS W/SETTLEMENT 1-SETTLEMENT 2

DEFENDANTS W/SETTLEMENT 1-SETTLEMENT 3

DEFENDANTS W/SETTLEMENT 1-SETTLEMENT 4

DEHART, ERNEST AND LOVIE

DESOTO, INC

INDUSTRIAL TECTONICS, INC.

INSILCO CORP

KLISIAK, EUGENE AND JEANETTE

MIDWEST INDUSTRIAL SOLVENT, INC.

MIDWEST SOLVENT RECOVERY, INC.

MILETICH, JOHN AND MARY

MOTOROLA, INC

PENN CENTRAL CORP

PRE FINISH METALS, INC

PREMIER COATINGS INC

RUST-OLEUM, INC.

STANDARD T CHEMICAL CO, INC

UNIROYAL, INC

V & E CORP

ZENITH RADIO CORP

Map ID#: 16D

Distance (mi):

0.655000

Direction:

WNW

Docket Number:

05-91-0125C

Case Name:

VALSPAR CORPORATION

Date Filed:

01/15/93

Federal Penalty Assessed:

\$0

Cost Recovery Charged:

\$0

Case Result:

Date Concluded:

01/15/93

DOCKET Data

Civil Enforcement Docket

Law Reported Violated
CERCLA (Superfund)

Section Violation Type
122E38

Pollutant Type

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND980615421 / MIDCO I / 7400 W 15TH AVE / GARY, IN 46406

Subject Defendant(s)

VALSPAR CORPORATION

Map ID#: 17B

Distance (mi): 0.715000

Direction: NW

Date Filed: 01/15/93

Docket Number: 05-89-0078C

Case Name: NINTH AVE DUMP SITE

Date Concluded: 03/14/96

Federal Penalty Assessed: \$0

Cost Recovery Charged: \$0 Case Result:

Law Reported Violated
CERCLA (Superfund)

Section Violation Type
107A

Pollutant Type

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND980794432 / NINTH AVE DUMP / 7357 W NINTH AVE / GARY, IN 46402

Subject Defendant(s)

AMERICAN NATIONAL CAN

CLARK OIL

DEFENDANTS W/SETTLEMENT 1-SETTLEMENT 2

MACLEAN-FOGG

MAGEE CHEMICAL

MONSANTO CHEMICAL

NATIONAL PRECISION CIRCUIT

NAVISTAR (FORMERLY INTERNATIONAL HARVEST

NINTH AVE DUMP

REGAL TUBE

Map ID#: 17C

Distance (mi): 0.715000

Direction: NW

Date Filed: 09/25/80

Docket Number: 05-80-0048C

Case Name: MARTELL, STEVE-W 9TH

Date Concluded: 12/07/83

Federal Penalty Assessed: \$0

Cost Recovery Charged: \$15,000 Case Result:

Law Reported Violated

CERCLA (Superfund)

Resource Conservation and Recovery Act

Section Violation Type

107

7003

Pollutant Type

Subject Facilities / EPA ID# / Address / City, State, and Zip

IND980794432 / NINTH AVE DUMP / 7357 W NINTH AVE / GARY, IN 46402

Subject Defendant(s)

CLARK, DOROTHY

CLARK, HOMER R.

MARTELL, BERNICE

MARTELL, CHARLES O.

MARTELL, DONALD

MARTELL, IRVIN

MARTELL, STEVE

Indiana SCL Data

Indiana State Cleanup List

Map ID#:	3	Distance (mi):	0.36559	Name:	ROEHL TRANSPORT	
		Direction:	NNW	Address:	WEST 15TH STREET	
Agency ID:	6951101			City, State, Zip:	GARY, IN 46401	
Type of Site:	Voluntary Cleanup Site			County:	LAKE	
Project Manager/Info:	RIDLEY	Chemist:	SYED	Geologist:	NONE	
On Commissioner's Bulletin:	No	Score (Indiana Scoring Model):	N/A	Scoring Date:		
Map ID#:	13B	Distance (mi):	1.04875	Name:	BLACK OAK DRUMS (GARY DRUMS)	
		Direction:	E	Address:		
Agency ID:	0000057			City, State, Zip:	GARY, IN 46407	
Type of Site:	Immediate Removal Site			County:	LAKE	
Project Manager/Info:	COMPLETED	Chemist:	NONE	Geologist:	Not Reported	
On Commissioner's Bulletin:	No	Score (Indiana Scoring Model):	N/A	Scoring Date:		
Map ID#:	14A	Distance (mi):	1.08026	Name:	H & H ENTERPRISES, INC.	
		Direction:	NW	Address:	7540 W 9TH AVE	
Agency ID:	7100015			City, State, Zip:	GARY, IN 46406	
Type of Site:	Immediate Removal Site			County:	LAKE	
Project Manager/Info:	CRAIG SCHROER	Chemist:	NDNE	Geologist:	NONE	
On Commissioner's Bulletin:	No	Score (Indiana Scoring Model):	N/A	Scoring Date:		
Map ID#:	14G	Distance (mi):	1.08026	Name:	H & H ENTERPRISES NRD	
		Direction:	NW	Address:		
Agency ID:	3951001			City, State, Zip:	GARY, IN	
Type of Site:				County:	LAKE395	
Project Manager/Info:	Not Reported	Chemist:	Not Reported	Geologist:	Not Reported	
On Commissioner's Bulletin:	No	Score (Indiana Scoring Model):	N/A	Scoring Date:		
Map ID#:	16A	Distance (mi):	0.65500	Name:	MIDCO I #	
		Direction:	WNW	Address:	5900 INDUSTRIAL HIGHWAY	
Agency ID:	7500023			City, State, Zip:	GARY, IN 46406	
Type of Site:	Superfund Section			County:	LAKE	
Project Manager/Info:	SCHAIBLE	Chemist:	METCALFE	Geologist:	SULLIVAN	
On Commissioner's Bulletin:	No	Score (Indiana Scoring Model):	N/A	Scoring Date:		
Map ID#:	16E	Distance (mi):	0.65500	Name:	MIDCO I #	
		Direction:	WNW	Address:	7400 WEST 15TH AVE	
Agency ID:	7500022			City, State, Zip:	GARY, IN 46406	
Type of Site:	Superfund Section			County:	LAKE	
Project Manager/Info:	SCHAIBLE	Chemist:	SOMMER	Geologist:	SULLIVAN	
On Commissioner's Bulletin:	No	Score (Indiana Scoring Model):	N/A	Scoring Date:		
Map ID#:	17E	Distance (mi):	0.71500			

Indiana SCL Data

Indiana State Cleanup List

Direction:		NW	Name:	NINTHE AVENUE DUMP	
Agency ID:		7500079	Address:	7537 WEST 9TH AVE	
Type of Site:		Superfund Section	City, State, Zip:	GARY, IN 46406	
Project Manager/Info:		SCHAIBLE	Chemist:	CRAWFORD	County: LAKE
On Commissioner's Bulletin:		No	Score (Indiana Scoring Model):	N/A	Geologist: KUMAR
					Scoring Date:

Indiana SWF Data

Indiana Solid Waste Facilities Data

Map ID#:	6A	Distance (mi):	0.56676		
Agency ID:	45-0013	Direction:	WNW	Name:	WASTE MGMT OF NW IN RECYCLING FACILITY
Facility Type:	Private Transfer Station			Address:	7337 WEST 15TH AVENUE, PO BOX 250
Delisted:	No			County:	LAKE
Expiration Date:	5/1/02				
Contact:	Not Reported			Owner:	Not Reported
Phone:	(219) 932-2791			Responsible Party:	Not Reported
				Address:	Not Reported
				City, St, Zip:	Not Reported
				Phone:	Not Reported

Indiana LUST Data

Indiana Leaking Underground Storage Tank Data

Map ID#:	5A	Distance (mi):	0.45816	Name:	GARY SUBDISTRICT
Agency ID:	199604505	Direction:	NW	Address:	7036 W 15TH AVE
Priority:	Medium			City, State Zip:	GARY, IN 46406
Substance:	Not Reported			Status:	Discontinued
<u>Media Affected:</u> Soil Groundwater					
Map ID#:	5B	Distance (mi):	0.45816	Name:	GARY SUBDISTRICT
Agency ID:	199802508	Direction:	NW	Address:	7036 W 15TH AVE
Priority:	Medium			City, State Zip:	GARY, IN 46406
Substance:	Not Reported			Status:	Active
<u>Media Affected:</u> Soil Groundwater					
Map ID#:	6B	Distance (mi):	0.56676	Name:	WASTE MANAGEMENT INC
Agency ID:	199811556	Direction:	WNW	Address:	7337 W 15TH AVE
Priority:	Medium			City, State Zip:	GARY, IN 46406
Substance:	Not Reported			Status:	Active
<u>Media Affected:</u> Groundwater Soil					
Map ID#:	6C	Distance (mi):	0.56676	Name:	WASTE MANAGEMENT INC
Agency ID:	199310527	Direction:	WNW	Address:	7337 W 15TH AVE
Priority:	Medium			City, State Zip:	GARY, IN 46406
Substance:	Not Reported			Status:	Active
<u>Media Affected:</u> Soil Groundwater					
Map ID#:	7	Distance (mi):	0.58633	Name:	COMPASS TRANSPORTATION INC
Agency ID:	199811544	Direction:	WNW	Address:	7336 W 15TH AVE
Priority:	Low			City, State Zip:	GARY, IN 46406
Substance:	Not Reported			Status:	No Further Action
<u>Media Affected:</u> Soil					

Unmappable Sites

A limitation of many records of governmental databases is incomplete or incorrect address information. Without proper addresses, it is more difficult to locate and map these sites.

Instead of leaving these potentially important sites out of the manually geocoded EcoSearch report, we implement a painstaking manual geocoding strategy aimed at plotting these unmappable sites by looking at zip codes, city names, and county names identified with the radius around your study site. The zip codes, cities, and counties searched are identified on the EcoSearch Statistical Overview page.

Our sophisticated mapping software, enhanced TIGER street maps, and address correction database processing methods find and plot most environmental sites. We then perform manual geocoding, plotting those sites the computer fails to find using a variety of resources. These include using our in-house collection of paper maps, directories, cross-referencing database information, and calling post offices, local government, or the sites themselves to accurately locate environmental records. We also correct obvious TIGER street map errors and omissions.

This effort at manual geocoding results in a short or non-existent orphan/unmappable list and increases accuracy and reliability of the data in our reports. The EcoSearch Instant Online and Preview reports take advantage of all previous geocoding work that has been done providing the highest quality report virtually instantaneously. The potential remains that an order can be placed in an area which has not been worked, thus resulting in more unmappables than typically associated with an EcoSearch report.

The limited number of sites which could not be reasonably found through our geocoding strategy are presented in this section for further review to assess their impact on your study site.

After the summary unmappable site information, the detailed data follows.

Unmappable Sites

<u>Database</u>	<u>Agency ID#</u>	<u>Site Name and Address</u>	<u>County</u>
SCL (HWS) Indiana State Cleanup List Site	3970701	MARQUETTE PKLG NRD GARY, IN	LAKE

Indiana SCL Data

Indiana State Cleanup List

Map ID#:	1UN	Distance (mi):	0.00000	Name:	MARQUETTE PKLG NRD
		Direction:		Address:	
Agency ID:	3970701			City, State, Zip:	GARY, IN
Type of Site:				County:	LAKE
Project Manager/Info:	Not Reported	Chemist:	Not Reported	Geologist:	Not Reported
On Commissioner's Bulletin:	No	Score (Indiana Scoring Model):	N/A	Scoring Date:	

Environmental Glossary

Acid

A large class of substances having a pH less than seven. An acid waste is considered hazardous when the pH is 2.0 or less.

Acute Effect

An adverse effect on a human or animal body, with severe symptoms developing rapidly and coming quickly to a crisis.

Acute Exposure

A dose that is delivered to the body in a single event or in a short period of time.

Aerobic

Occurring in the presence of free oxygen.

Alkaline

A substance with a pH between 7 and 14. An alkaline waste is considered hazardous when its pH is 12.5 or greater.

Ambient

Existing conditions of air, water, and other media at a particular time.

Anaerobic

Occurring in the absence of oxygen.

Assessment

An analysis or examination.

Background Environmental Sample

Samples that are considered to contain no contaminants or known concentrations of contaminants.

Base

A substance which forms a salt when reacted with an acid. Bases have a pH of greater than seven.

Buffer Zone

An area of land which surrounds a hazardous waste facility and on which certain land uses and activities are restricted to protect the public health and safety and the environment from existing or potential hazards caused by the migration of hazardous waste (CH&SC Sec. 25110.3).

Carcinogen

A substance or agent capable of causing or producing cancer in mammals.

Caustics

A large class of substances which form solutions having a high pH.

Chronic Effect

An adverse effect on a human or animal body, with symptoms which develop slowly over a long period of time or which reoccur frequently.

Chronic Exposure

Low doses repeatedly received by the body over a long period of time.

Combustible

A term used by the NFPA, DOT, and others to classify certain liquids that will burn, on the basis of flash points. Both the NFPA and DOT generally define "combustible liquids" as having a flash point of 100° F or higher.

Concentration

The relative amount of a substance when combined or mixed with other substances.

Contingency Plan

A document setting out an organized, planned, and coordinated course of action to be followed in case of a fire or explosion or release of a hazardous waste from a TSD or a generator's facility that could threaten human health or the environment (RCRA).

Corrosive

As defined by DOT, a corrosive material is a liquid or solid that causes visible destruction or irreversible alterations in human skin tissue at the site of contact or in the case of leakage from its packaging a liquid that has a severe corrosion rate on steel. A solid or liquid which exhibits these characteristics can be regulated as hazardous waste.

Decomposition

Breakdown of material or substance (by heat, chemical reaction, electrolysis, decay, or other processes) into elements or simpler compounds.

Decontamination

The process of removing contaminants from individuals and equipment.

Deep Well Injection

Disposal of wastes by injecting them into a geological formation deep in the ground, sometimes after pretreatment to avoid solidification.

EPA ID Number

This unique number assigned by EPA to each generator, transporter, or TSD.

Effluent

Waste material, either treated or untreated, discharged into the environment.

Environmental Assessment

The measurement or prediction of the transport, dispersion, and final location of a hazardous substance when released into the environment.

Environmental Emergencies

Incidents involving the release (or potential release) of hazardous materials into the environment which require immediate remedial action.

Environmental Hazard

A condition capable of posing risk of exposure to air, water, soil, plants, or wildlife.

Exception Report

A report that generators who transport waste off-site must submit if they do not receive a properly completed copy of their manifest within 45 days of the date on which the initial transporter accepted the waste.

Generator

The person or facility who, by nature or ownership, management or control, is responsible for causing or allowing to be caused, the creation of hazardous waste.

Glovebag

A device used to remove a section of pipe insulation without isolating the entire space or room.

Groundwater Hydrology

The study of the movement of water below the earth's surface.

Hazard

A circumstance or condition that can cause harm. Hazards are often categorized into four groups: biological, chemical, physical, and radiation.

Hazard Classes

A series of nine descriptive terms that have been established by the UN Committee of Experts to categorize the hazardous nature of chemical, physical, and biological materials. These categories are: flammable liquids, explosives, gases, oxidizers, radioactive materials, corrosives, flammable solids, poisonous and infectious substances, and dangerous substances.

Hazardous Waste

Any material that is subject to the hazardous waste manifest requirements of the EPA specified in the CFR, Title 40, Part 262 or would be subject to these requirements in the absence of an interim authorization to a State under CFR, Title 40, Part 123, Subpart F.

Heavy Metals

Certain metallic elements having a high density and generally toxic, e.g., lead, silver, mercury, and arsenic.

Immediate Removal

Actions undertaken to prevent or mitigate immediate and significant risk of harm to human life or health or the environment. As set forth in the National Contingency Plan, these actions shall be terminated after \$1 million has been obligated or six months have elapsed from the date of initial response.

Incident

The release or potential release of a hazardous substance into the environment.

Inert

Exhibiting no chemical activity; totally unreactive.

Innocent Land Owner's Defense

The defense of a purchaser of real property that he or she exercised due diligence in having hazards assessed prior to purchase.

Interim Status

Allows owners and operators of TSDs that were in existence, or for which construction had commenced, prior to November 19, 1980 to continue to operate without a permit after this date pending final issuance from RCRA.

Joint and Several Liability

Under federal law each party that contributed to damages may be held liable for all damages, but each has the right to compel the others to contribute and indemnify.

Liability

Being subject to legal action for one's behavior.

MSDS Material Safety Data Sheet

Required by OSHA of owners to alert employees to hazards, their effect, and protective action.

Manifest

Form which indicates generator, quantity, and type of waste for each shipment of hazardous wastes disposed in off-site facilities.

National Contingency Plan

Policies and procedures that the Federal Government follows in implementing responses to incidents involving hazardous substances.

P Wastes

A federal waste list comprised of substances categorized as acutely hazardous.

Part A

The first part of a two part application that must be submitted by a TSD to receive a permit. It contains general facility information.

Part B

The second part of a two part application that must be submitted by a TSD to receive a permit. It contains highly technical and detailed information.

Planned Removal

The removal of released hazardous substances from the environment within a non-immediate, long term time period. Under CERCLA: Actions intended to minimize increases in exposure such that time and cost commitments are limited to six months and/or \$1 million.

Poison, Class A

A DOT term for extremely dangerous poisons, that is, poisonous gases or liquids of such nature that a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life. Some examples: phosgene, cyanogen, and hydrocyanic acid.

Poison, Class B

A DOT term for liquid, solid, paste, or semisolid substances, other than Class A poisons, which are known to be toxic to man as to afford a hazard to health during transportation.

Pollutant

A substance or mixture which after release into the environment and upon exposure to any organisms will or may reasonably be anticipated to cause adverse effects in such organisms and their offspring.

Priority Pollutants

A list of chemicals selected from the list of toxic pollutants by the EPA as priority toxic pollutants for regulation under the Clean Water Act.

Remedial Actions

Responses to releases of hazardous substances on the NPL that are consistent with a permanent remedy which would prevent or mitigate the migration of materials into the environment.

Risk

The probability that an unwanted event will occur.

Second Responders

Those personnel required to assist or relieve first responders at a hazardous material incident due to their specialized knowledge, equipment, or experience. These include State environmental protection or health officials, commercial response, cleanup companies, and appropriate industry representatives.

Strict Liability

Holds a party responsible for damages irrespective of the amount of care taken in handling a hazardous substance.

Subtitle C

The part of RCRA which pertains to the management of hazardous waste.

Subtitle I

The part of RCRA which pertains to the storage of petroleum products and hazardous substances, other than wastes, in USTs.

Superfund

See CERCLA.

Synergistic

The action of two materials together which is greater in effect than the sum of the individuals actions.

TIGER Files

The US Census Bureau's TIGER files provide a nationwide computerized map with address range information.

Tort

A legal wrong, sometimes referred to as negligence.

Toxicity

The ability of a substance to produce injury by non-mechanical means once it reaches a susceptible site in or on the body.

U Wastes

A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.

Acronyms and Abbreviations

-AIRS	Aerometric Information Retrieval System
-AST	Aboveground Storage Tank
-ASTM	American Society for Testing and Materials
-BLM	Bureau of Land Management
-BNA	Bureau of National Affairs
-CAA	Clean Air Act
-CDC	Centers for Disease Control
-CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
-CERCLIS	CERCLA Information System
-CICIS	Chemicals in Commerce Information System
-COE	U.S. Army Corps of Engineers
-CWA	Clean Water Act
-DDT	Dichloro-diphenyl-dichloroethane
-DOC	Department of Commerce
-DOCKET	Enforcement Docket System—Office of Enforcement and Compliance Monitoring
-DOE	Department of Energy
-DOT	Department of Transportation
-EPA	Environmental Protection Agency
-ERCS	Emergency Response Cleanup Services
-ERNS	Emergency Response Notification System
-ESA	Environmental Site Assessment
-FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
-FINDS	Facility Index System
-FOIA	Freedom of Information Act
-FWPCA	Federal Water Pollution Control Act
-HHS	Department of Health and Human Services
-HSWA	Hazardous and Solid Waste Amendments of 1984
-HUD	Department of Housing and Urban Development
-LUST	Leaking Underground Storage Tank
-MSDS	Material Safety Data Sheet
-NEPA	National Environment Policy Act
-NESHAP	National Emission Standards for Hazardous Air Pollutants
-NFRAP	No Further Remedial Action Planned (Delisted CERCLA Site)
-NOI	Notice of Intent
-NOV	Notice of Violation
-NPDES	National Pollution Discharge Elimination System
-NPL	National Priorities List
-NRC	Nuclear Regulatory Commission
-NRIS	Nuclear Regulatory Information System
-OSHA	Occupational Safety and Health Administration
-PADS	PCB Activity Database System

Acronyms and Abbreviations

-PCB	Polychlorinated Biphenyls
-POTW	Publicly-Owned Treatment Works
-PPM	Parts Per Million
-PRP	Potentially Responsible Parties
-RAATS	RCRA Administrative Action Tracking System
-RCRA	Resource Conservation and Recovery Act of 1976
-RCRIS	Resource Conservation and Recovery Information System
-RFA	RCRA Facility Assessment
-RFI	RCRA Facility Investigation
-RI	Remedial Investigation (CERCLA)
-SARA	Superfund Amendments and Reauthorization Act of 1986
-SCS	Soil Conservation Service
-SDWA	Safe Drinking Water Act
-SETS	Superfund Enforcement Tracking System
-SSTS	Section Seven Tracking System
-SWF/LF	Solid Waste Facilities / Landfills
-TIGER	Topologically Integrated Geographic Encoding and Referencing System
-TRI	Toxic Release Inventory
-TSCA	Toxic Substances Control Act
-TSD	Treatment, Storage, or Disposal Facility
-USDA	U.S. Department of Agriculture
-USGS	U.S. Geological Survey
-UST	Underground Storage Tank
-WWTP	Wastewater Treatment Plant

APPENDIX F: PHOTOGRAPHS

PHOTOGRAPH LOG

Project Name	J-PIT Redevelopment, Section 5, Gary, Indiana
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Project: 1216.001.05

Date: 02-16-01

Photographed By:

Elaine Petkovsek

Description:

*Typical view of
subject property as
seen from Colfax
Avenue.*



PHOTO #1

Project: 1216.001.04

Date: 02-16-01

Photographed By:

Elaine Petkovsek

Description:

*View of monitoring
well located at the
northwest corner of
subject property.*

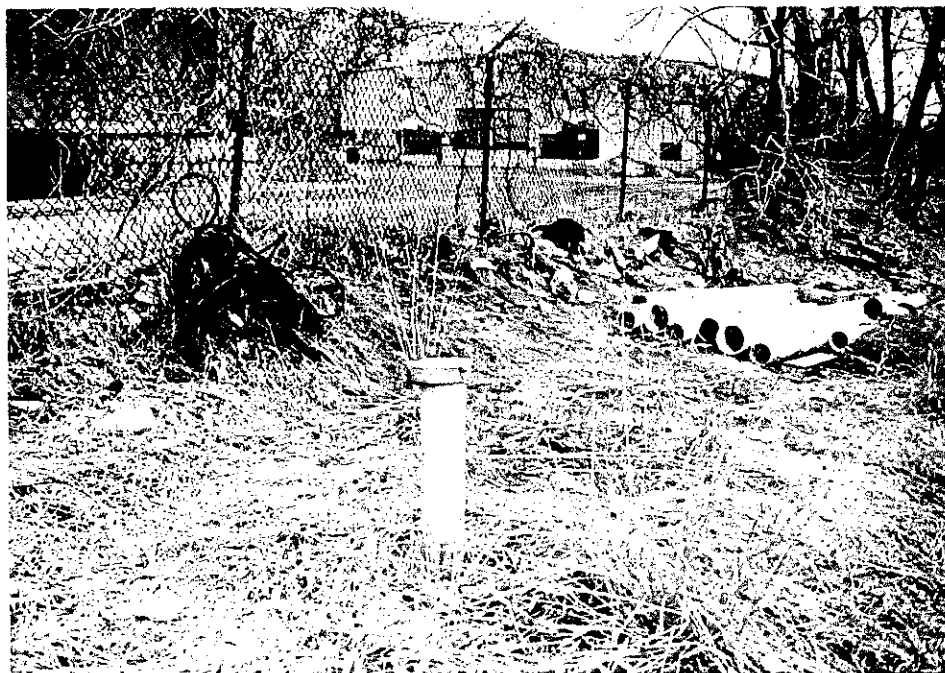


PHOTO # 2

PHOTOGRAPH LOG

Project Name	<i>J-PIT Redevelopment, Section 5, Gary, Indiana</i>
---------------------	--

Project: 1216.001.05

Date: 02-16-01

Photographed By:

Elaine Petkovsek

Description:

Typical view of monitoring well located in the subject property.



PHOTO #3

Project: 1216.001.05

Date: 02-16-01

Photographed By:

Elaine Petkovsek

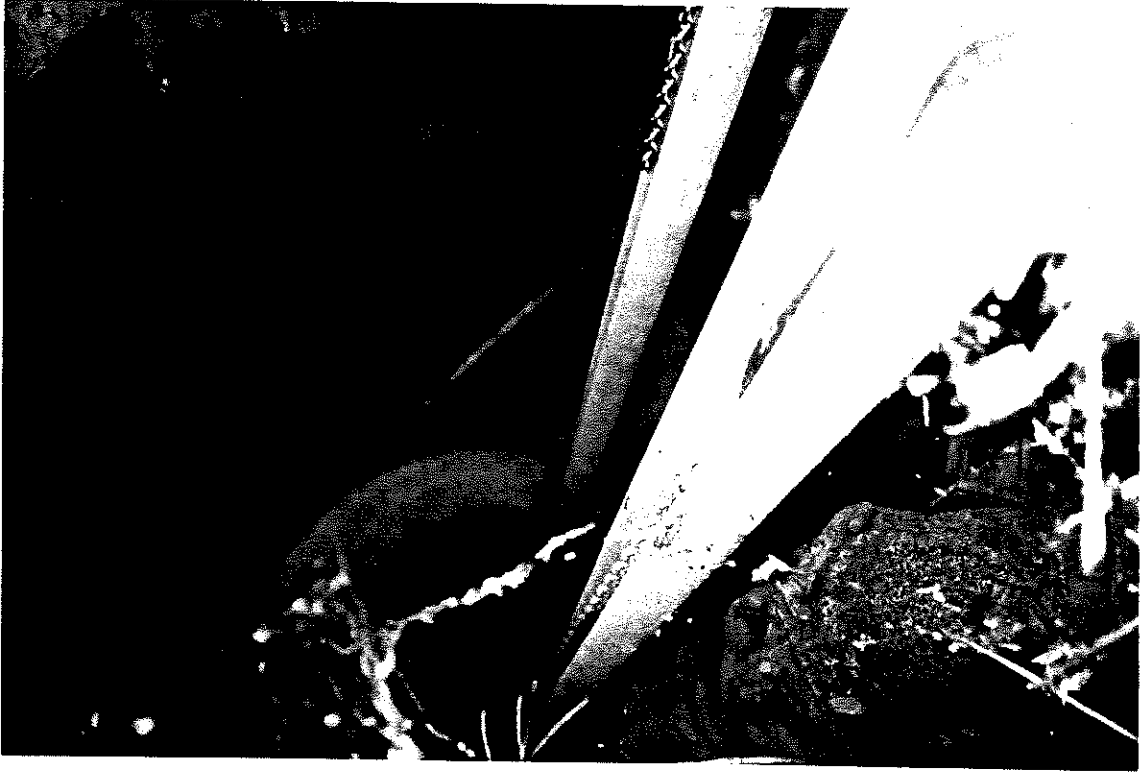

Description:

View of an unknown substance in an excavated ditch along the north side of the service road inside the subject property.



PHOTO # 4

PHOTOGRAPH LOG

Project Name	<i>J-PIT Redevelopment, Section 5, Gary, Indiana</i>
Project: 1216.001.05 Date: 2-23-01 Photographed By: <i>Dionne L. Carey</i>	 <p>PHOTO #1</p>
Project: 1216.001.05 Date: 2-23-01 Photographed By: <i>Dionne L. Carey</i>	 <p>PHOTO #2</p>

PHOTOGRAPH LOG

Project Name	<i>J-PIT Redevelopment, Section 5, Gary, Indiana</i>
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Project: 1216.001.05

Date: 2-23-01

Photographed By:

Dionne L. Carey

Description:

Typical view of debris along the south border of the subject property.



PHOTO #3

Project: 1216.001.05

Date: 2-16-01

Photographed By:

Elaine Petkovsek

Description:

View of 55-gallon drum buried at the southwest corner of subject property.



PHOTO # 4

PHOTOGRAPH LOG

Project Name

J-PIT Redevelopment, Section 5, Gary, Indiana

Project: 1216.001.05

Date: 2-16-01

Photographed By:

Elaine Petkovsek

Description:

View of sump pump located at the south west end of subject property.



PHOTO #5

Project: 1216.001.05

Date: 2-16-01

Photographed By:

Elaine Petkovsek

Description:

View of buoy connected to sump pump.



PHOTO # 6

PHOTOGRAPH LOG

Project Name	<i>J-PIT Redevelopment, Section 5, Gary, Indiana</i>
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Project: *1 216.001.05*

Date: *2-16-01*

Photographed By:

Elaine Petkovsek

Description:

*View of north
adjacent property
(Waste Management)
to the subject
property.*



PHOTO #7

Project: *1 216.001.05*

Date: *2-16-01*

Photographed By:

Elaine Petkovsek

Description:

*View of railroad
tracks along the west
border then west
adjacent properties.*



PHOTO #8

PHOTOGRAPH LOG

Project Name

J-PIT Redevelopment, Section 5, Gary, Indiana

Project: 1 216.001.05

Date: 2-16-01

Photographed By:

Elaine Petkovsek

Description:

*Another view of
subject property,
leachate berm then
east adjacent property.
(Closed Gary
Landfill)*



PHOTO # 9